

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

RUSSELL-HECKLE SEED COMPANY

24 S. FRONT ST., MEMPHIS, TENN.

1921

TOP NOTCH
SEEDS

1921



RUSSELL-HECKLE'S
NEW EXCELSIOR TOMATO

RUSSELL-HECKLE'S
TRUE SOUTHERN LIMA BEAN

POULTRY SUPPLIES, SPRAYERS
INSECTICIDES AND FERTILIZERS

LET US PULL TOGETHER

OUR CUSTOMERS AND FRIENDS.

We are pleased to send you our Annual Catalogue and take this opportunity of expressing our appreciation of your valued patronage, and we shall strive to merit a continuance of your confidence and supply you always with the best there is in SEEDS.

If you have not as yet used Russell-Heckle's Seeds, we solicit your orders for Spring 1921. Our phenomenal growth in the seed business is our assurance that customers have been well pleased with our service and seed stocks.

There is only one way to buy seeds, come to a reliable house who has a reputation to sustain.

EXPERT KNOWLEDGE OF THE SEED BUSINESS

The members of our firm possess expert knowledge of the seed business which is of unlimited value to our customers. Our long experience in seed testing and handling has been of material benefit to us.

This technical knowledge with the handling and selecting seeds from many sections of the country has given us wide information and experience, that is of vast help and benefit to you.

The buying of seeds are the most important purchases of the farmer, not only does he want to save money, but he wants seeds that are pure and that are of high germination and the variety which he wishes to grow and seed that are especially adapted to his soil and climatic conditions.

We are able to furnish him such seeds because of the fact that we are expert and experienced in the business and our equipment is complete in all respects.

Poor seeds and the wrong variety means big loss. By all means avoid cheap stocks. Our Motto is the best seeds at the lowest prices, therefore send your orders to us, as we specialize in heavy field seeds and high class garden seeds, and are in position to furnish you the best that are produced.

We can meet all competition in quality. We do not care to meet price competition. We ask only a reasonable price for quality Top Notch Brand Seeds.

Thanking you for past orders and trusting to be favored with your future business, which will have our personal and careful attention at all times, we are,

Very respectfully yours,

Sales Store and Office, 24 S. Front St.
Wholesale Warehouse, 417 S. Main St.
Memphis, Tennessee.

RUSSELL-HECKLE SEED COMPANY,
J. T. Russell, C. E. Heckle.

OUR GUARANTEE.

We won't ship you seed until we know they will germinate. Of course, we cannot guarantee you a crop, for we cannot be there to plant them or attend to them; and weather conditions sometimes positively prevent a stand. But you can take our seed home, examine them, test them, and call in your neighbor or county agent, and if you feel that you have not gotten your money's worth, or our seeds are not as represented return them at once and we will refund the amount you paid for them.

That's fair, isn't it? We leave it all to your judgment, and all we ask is a fair deal, which we know you will give us. "Treat 'em right," is our motto.

THE PRICES WE QUOTE on vegetable and flower seeds will hold good as long as stocks last. The prices on grass seed, grains and all farm seeds are those ruling during January 1st, 1921, and are subject to market changes. As far as possible we will fill in full all orders for seeds that are quoted subject to variation in price, but if market values will not permit this, we will send all that money remitted will pay for.

SEND CASH WITH ORDER—This can be done either in the form of a Money Order, Bank Draft, Express Order, Registered Letter, or cash may be sent by express.

WE PAY POSTAGE on all seeds quoted by the packet, ounce, quarter pound and pound, also on pints and quarts of Peas, Beans and Sweet Corn, and on plants and bulbs, except where noted otherwise, and upon all goods quoted in our catalog where it says: Parcel post paid.

SEEDS BY FREIGHT AND EXPRESS—"Quotations not prepaid" means that the price quoted is packed f. o. b. Memphis, purchaser paying carrying charges either by express or freight.

INDEX

	Page		Page		Page		Page		Page
Artichoke Seed	1	Cucumbers	7	Peanuts	44	Beans, Field	44	Speltz or Emmer	45
Artichoke Tubers	1	Dandelion	9	Peas, Garden	15	Cane	41-42	Sorghum	41
Asparagus Seed	1	Egg Plant	9	Pepper	16	Clovers	38	Sunflower	42
Asparagus Roots	1	Endive	9	Potatoes (Sweet)	16	Chufas	45	Teosinte	42
Beans, Bush	2	Flower Seeds	24-27	Potatoes (Irish)	17	Corn (Field)	32-34	Timothy	39
Beans, Pole	3	Flower Bulbs	23-24	Pumpkin	14	Corn, Jerusalem	45	Vetch	45
Beans, Lima or Butter	3	Garlic	9	Radish	18	Corn, Broom	45	Wheat	45
Beans, Wax	2	Gourds, etc	9	Rhubarb	18	Corn, Kaffir	42		
Beets	4	Herb Seed	9	Salsify, Oyster Plt	19	Cotton Seed	28-31		
Broccoli	1	Horse Radish	1	Sorrel	19	Feterita	42	NURSERY STOCK	
Brussels Sprouts	1	Kale	9	Spinach	19	Grass, Billion Dol	39	Fruit	46-49
Cabbage	5	Kohl Rabi	9	Squash	19	Grass Seeds	36-40	Ornamentals	50
Cabbage Plants		Leek	9	Tobacco	21	Grass, Lawn	40	Roses	50
(Frost Proof)	5	Lettuce	10	Tomatoes	20-21	Grass, Pasture Mix-			
Cress	7	Melon (Cantaloupe)	11	Turnips, Rutabagas	22	ture	40	MISCELLANEOUS	
Chicory	6	Melon (Water)	12			Grass, Sudan	39	Cultures	35
Chinese Cabbage	6	Mushroom Spawn	13			Milo Maize	42	Fertilizers	54
Collards	7	Mustard	13	FIELD SEEDS		Millet	41	Insecticides	54
Corn Salad	7	Okra	13	Alfalfa	27	Oats	41	Poultry Supplies	56-62
Cauliflower	6	Onion Seed	14	Beggar Weed (Giant)	45	Peas (Field)	44	Tools	51
Carrot	6	Onion Sets	13	Buckwheat	44	Rye	40	Spray Pumps	52-53
Celery	6	Parsnips	14	Barley	42	Rape	42	Seed Sowers	53
Corn (Sweet and		Parsley	14	Beans (Soy)	43	Rice	45	Spray Materials	55
Garden)	8			Beans (Velvet)	43			Poultry Remedies	62

Poultry, Stock Foods,
etc 63-65

GARDEN SEEDS

FLOWER SEEDS

COTTON SEED

SOY BEANS

LES PEDEZA

VELVET BEANS

ALFALFA

SEED PEANUTS

GRASSES

RAPE

MILLET

SPRAYERS

SORGHUM

INSECTICIDES

SEED OATS

FERTILIZERS

SEED POTATOES

POULTRY FOOD

COW PEAS

PEANUTS

SEED CORN

SOY BEANS



RUSSELL HECKLE
SEED CO.
 MEMPHIS 24 SOUTH FRONT ST. TENN.
 WHOLESALE WAREHOUSE
 417 SOUTH MAIN ST.
TOP NOTCH SEEDS

QUANTITY ORDER

Green Ink Special Price List No. 23

On "Top Notch" Garden and Field Seeds and Fertilizers
 Described in Our 1921 Spring Catalog.

DECEMBER 27th, 1920

OUR PROMISE—We will endeavor to ship you only stocks that we have every reason to feel proud of—we will examine every shipment before it leaves for you to see that it is right. We want you to be successful with the seeds you buy from us. We want every purchase to be satisfactory to you—more than that we will do everything in our power to make your trading with us a pleasure.

These are special prices in effect today F. O. B. Memphis on larger quantities than are quoted in the Catalog. The Catalog goes to the printer so early that prices on various crops have not been determined therefore we can only quote in the Catalog prices on very small quantities.

You will note these Green Ink prices are much lower than the Catalog—they represent the regular market prices in Memphis today on seeds of the extra fine quality we handle. We could furnish cheaper seed, but they would not produce anything like as good crops as our "Top-Notch" seeds, so you would lose money by planting them. The very best quality you can buy in seeds will be the cheapest to you in the long run.

All prices quoted on this Green Ink List are for immediate acceptance and subject to market changes and unsold stocks. Some crops are short this year and prices may advance any day. We will protect our customers as long as we are able, but we are often forced to advance our prices from day to day, according to changes in the market. All prices on this Green Ink List are F. O. B. Memphis. Customers pay all carrying charges, either by express or freight, or parcel post. If you order to come by parcel post, be sure to include money for postage.



BUSH BEANS—Green Pod—Bushel 60 lbs.

Catalogue Page 2.

	4 Qts.	Peck	Bu.
Black Valentine	\$1.50	\$2.75	\$10.50
Burpee's Fordhook Favorite.....	1.50	2.85	11.00
Burpee's Stringless Green Pod....	1.50	2.75	10.50
Bountiful	1.50	2.75	10.50
Full Measure	1.40	2.60	10.00
Giant Stringless Green Pod.....	1.50	2.75	10.50
Hopkin's Valentine	1.40	2.50	9.50
Longfellow	1.40	2.50	9.50
Mohawk Six Weeks.....	1.40	2.50	9.50
Red Valentines	1.35	2.40	9.00
Refugee or 1,000 to 1.....	1.50	2.75	10.50
Red Kidney	1.25	2.25	8.50
Tennessee Green Pod.....	1.50	2.85	11.00
White Navy	1.20	2.20	8.00

BUSH BEANS—Wax Pod—Bushel 60 lbs.

Catalogue Page 2.

	4 Qts.	Peck	Bu.
Currie's Rustproof Wax.....	\$1.50	\$2.85	\$11.00
Golden Eyed Wax.....	1.50	2.85	11.00
Golden Wax Improved.....	1.50	2.85	11.00
Prolific Black Wax.....	1.50	2.85	11.00
Refugee Wax	1.60	3.00	11.50
Sure Cropper Wax.....	1.60	3.00	11.50
Wardwell Kidney Wax.....	1.50	2.85	11.00
Webber Wax	1.50	2.85	11.00

BUSH LIMA BEANS—Bushel 60 lbs.

Catalogue Page 3.

	4 Qts.	Peck	Bu.
Burpee's Improved Lima.....	\$2.35	\$4.50	\$17.00
Jackson's Wonder Bush Lima.....	2.25	4.25	16.00
Henderson's Bush Lima.....	2.20	4.00	15.00

POLE OR RUNNING BEANS—Bushel 60 lbs.

Catalogue Page 3.

	4 Qts.	Peck	Bu.
Kentucky Wonder	\$1.50	\$2.85	\$11.00
Red Speckled Cut Short.....	1.75	3.25	12.00
Scotia or Striped Creasback.....	2.00	3.75	14.50
Tennessee Wonder	2.00	3.75	14.50
White Creasback	1.50	2.85	11.00

POLE LIMA OR BUTTER BEANS—Bushel 60 lbs.

Catalogue Page 3.

	4 Qts.	Peck	Bu.
Calico or Speckled Butter.....	\$2.25	\$4.25	\$16.00
Carolina Sieve or Small Butter....	2.00	3.85	15.00
Large White Lima.....	2.25	4.25	16.00

GARDEN PEAS—Smooth—Bushel 60 lbs.

Catalogue Page 15.

	4 Qts.	Peck	Bu.
Alaska	\$1.40	\$2.50	\$9.00
Ameer	1.50	2.85	11.00
First & Best.....	1.50	2.75	10.00
Heckle Market Master.....	1.50	2.85	11.00
Large White Marrowfat.....	1.20	2.00	7.50

GARDEN PEAS, Wrinkled—Bushel 56 lbs.

Catalogue Page 15.

	4 Qts.	Peck	Bu.
Alderman	\$2.00	\$3.75	\$13.50
American Wonder	2.00	3.75	13.50
Champion of England.....	1.75	3.25	12.00
Bliss Everbearing	1.75	3.25	12.00
Gradus or Prosperity.....	2.00	3.90	15.00
Laxatonian	2.00	3.90	15.00
McLean's Little Gem.....	2.00	3.75	13.50
Saxonia	2.00	3.90	15.00
Telephone	2.00	3.90	15.00
Thomas Laxton	2.00	3.90	15.00

GARDEN & SWEET CORN—Bushel 56 lbs.

Catalogue Page 8.

	4 Qts.	Peck	Bu.
Early Large Adams.....	\$.85	\$1.50	\$ 5.50
Extra Early Adams .....	.85	1.50	5.50
Early Surprise .....	.80	1.40	5.00
Improved Adams .....	.85	1.50	5.50
Trucker's Favorite .....	.80	1.40	5.00
Snowflake .....	.80	1.40	5.00
White Flint.....	.85	1.50	5.50

SUGAR CORN—Measured by Bushel

Catalogue Page 8.

	4 Qts.	Peck	Bu.
Country Gentleman	\$1.25	\$2.00	\$ 6.50
Golden Bantam	1.25	2.00	6.50
Henderson Early Sugar.....	1.35	2.20	7.00
Howling Mob	1.35	2.20	7.00
Mammoth Sugar	1.25	2.00	6.50
Stowell's Evergreen	1.25	2.00	6.50

ONION SETS—Bushel 32 lbs.

Catalogue Page 13.

	4 Qts.	Peck	Bu.
Red Wethersfield .....	.45	\$.80	\$ 2.75
Yellow Danvers .....	.45	.80	2.75
White Silver Skin .....	.55	.90	3.25
Red Shallots (bu. 28 lbs.).....	.45	.75	2.50

POTATOES—Bushel 60 lbs.

Catalogue Page 17.

	Bu.	2½ Bu. Bags Per Bu.
Red Triumph, Northern.....	\$2.50	\$2.30
Red Triumph, 2nd crop.....		
Irish Cobbler, Northern.....	2.25	2.00
Irish Cobbler, 2nd Crop.....		
Early Ohio	2.25	2.00
New York Early Rose.....	2.00	1.80
New York Peerless.....	2.00	1.80
New York Burbank.....	2.00	1.80
Lookout Mountain		

SEED SWEET POTATOES—Bushel 45 lbs.

Catalogue Page No. 17.

Porto Rico Yams	
Nancy Hall	
Prices will be given later. Shipment about March 1.	

SEED CORN—Bushel 56 lbs.

Catalogue Pages 32, 33, 34.

	Peck.	Bu.	2-bu Bags
Boone County White	\$.85	\$2.75	\$5.25
Cocke's Prolific	1.20	3.75	7.00
Eureka Ensilage	1.00	3.50	6.75
R. H. Gourd Seed Red Cob.....			
Hickory King .....	.90	3.00	5.75
Huffman White .....	.90	3.00	5.75
Iowa Gold Mine .....	.85	2.75	5.25
Iowa Silver Mine .....	.85	2.75	5.25
Leaming Yellow .....	.85	2.75	5.25
Mexomer June	1.25	4.00	7.50
Mexican June			
Neal's Paymaster .....	.90	3.00	5.75
Mosby's Prolific .....	.90	3.00	5.75
Ninety-Day Yellow Dent.....	.85	2.75	5.25
North Carolina Prolific.....	.90	3.00	5.75
Pride of the South	1.25	4.50	8.50
Reid's Yellow Dent .....	.85	2.75	5.25
St. Charles White Red Cob.....	.85	2.75	5.25
Sure Cropper White	1.25	4.00	7.75
Tennessee Mammoth Yellow.....	.90	3.00	5.75
Tennessee White Red Cob.....	.90	3.00	5.75
R. H. White Dent.....	.85	2.75	5.25

POP CORN.
Catalogue Page 34.

	10 lbs.	100 lbs.
White Rice Pop Corn.....	\$1.40	\$10.00
Queen's Golden Pop Corn.....	1.50	11.00
Japanese Hulless Pop Corn.....	2.00	15.00

SEED OATS—Bushel 32 lbs.
Catalogue Page 41.

	Bu.	5 Bu.	25 Bu.
	per bu.	per bu.	per bu.
Early Burt	\$1.10	1.00	.90
Georgia Appler	1.10	1.00	.90
Red Rustproof Fancy	1.00	.85	.80
Georgia Fulghum	1.25	1.10	1.00

COTTONSEED—Bushel 32 lbs.
Catalogue Pages 28-29-30-31.

	3 bu.	15 bu.
	sack	per
	per bu.	bu.
Cleveland Big Boll	\$2.00	\$1.75
Express	2.00	1.75
Foster	2.25	2.00
Hartsville	2.25	2.00
Heavy Fruiter	2.25	2.00
King Improved	1.95	1.70
Mebane's Early Triumph	2.00	1.75
Mississippi Silk	2.25	2.00
Polk Improved	\$2.00	\$1.75
Rowden Big Boll	2.10	1.85
Simpkins Prolific	1.95	1.70
Sproul	2.00	1.75
Trice	2.00	1.75
Wannamaker's Cleveland	1.95	1.70
Webber—49	2.00	1.75
Webber—82	2.00	1.75

GRASS SEEDS
Catalogue Pages 39-40.

	10 lbs.	Bu.	100 lbs.
Bermuda Grass—Top Notch.....	\$6.00	.....	\$55.00
Billion Dollar Grass, Bu. 40 lbs.	2.50	8.25	20.00
Canada Blue Grass, Bu. 14 lbs....	3.25	4.25	27.00
English Rye Grass, Bu. 14 lbs....	2.00	2.60	15.00
Evergreen Lawn Grass, Bu. 14 lbs	4.00	5.50	35.00
Italian Rye Grass, Bu. 14 lbs....	2.00	2.60	15.00
Kentucky Blue Grass, Bu. 14 lbs.	3.90	4.90	34.00
Meadow Fescue Grass, Bu. 14 lbs.	4.50	6.15	40.00
Orchard Grass, Top Notch.....	2.50	3.25	20.00
Permanent Chicken Pasture Mixture			
Bu. 30 lbs.	2.00	4.75	16.00
Permanent Hog Pasture Mixture,			
Bu. 14 lbs.	3.00	4.00	26.00
Permanent Meadow Grass Mixture,			
Bu. 14 lbs.	2.75	3.50	24.00
Permanent Pasture Grass Mixture,			
Bu. 14 lbs.	2.75	3.50	24.00
Red Top Herds Grass, Top-Notch	2.50	.....	20.00
Rhodes Grass	8.00		
Tall Mead. Oat Grass, Bu. 14 lbs.	5.00	7.00	45.00
Timothy Seed, Top-Notch,			
Bu. 45 lbs.	1.50	5.50	11.50
Timothy and Alsike Mixed.....	2.25	.....	18.00
Sudan Grass, Bu. 50 Lbs.....	1.00	3.50	6.50

MILLET.

	Catalogue Page 41.	Peck	Bu.	100 lbs.
Tenn. Golden Millet, Bu. 50 lbs.	\$1.00	\$3.00	\$5.75	
Western Golden Millet, Bu. 50 lbs	.75	2.50	4.75	
Hungarian Millet, Bu. 48 lbs....	.....	.....	.....
Pearl or Cattail Millet, Bu. 50 lbs.	3.75	.....	.....
Siberian Millet .....	.85	2.75	5.50	

CLOVER SEEDS

Catalogue Pages 37-38

	10 lbs.	Bu.	100 lbs.
Alfalfa Top-Notch, Bu. 60 lbs....	\$2.90	\$16.50	\$26.50
Alfalfa Dakota No. 12, Bu. 60 lbs.	3.50	19.00	30.00
Alfalfa Disco. No. 28, Bu. 60 lbs.	3.75	19.50	30.75
Alfalfa Grimm, Bu. 60 lbs.....	6.00	34.00	55.00
Alyske Clover, Bu. 60 lbs.....	4.00	22.00	35.00
Lespedeza Jap. Clover, Bu. 25 lbs.	2.25	4.50	17.50
Mam. Sapling Clover, Bu. 60 lbs.	3.25	17.50	28.50
Melilotus Sweet Clover, unhulled,			
seed, Bu. 25 lbs.....	1.90	4.00	15.50
Melilotus, Sweet Clover-Hulled,			
cleaned seed, Bu. 60 lbs.	2.60	13.50	22.00
Peruvian Hairy Alfalfa	6.00	.....	.....
Red Clover Top-Notch, Bu. 60 lbs.	3.00	16.50	27.00
White Clover, Bu. 60 lbs.....	6.25	34.50	57.00

SORGHUM-KAFFIR CORN, ETC.—Bu. 50 lbs.

Catalogue Pages 41-42

	Peck	Bu.	100 lbs.
Early Amber Cane .....	.50	\$1.70	\$2.90
Early Orange Cane .....	.55	1.75	3.00
Egyptian Wheat	1.50	5.00	9.00
Feterita .....	.55	1.75	3.00
Japanese Honey Cane .....	.70	2.00	3.50
Red Kaffir Corn .....	.50	1.70	2.90
Red Top or Sumac Sorgh. ....	.85	1.75	3.00
Shrock-Kaffir	1.00	3.50	6.50
Yellow Milo Maize .....	.50	1.70	2.90
White Kaffir Corn .....	.50	1.70	2.90

PEANUTS—Bushel 22 lbs.

Catalogue Page 44.

	Peck	Bu.	100 lbs.
Mam. White Virginia	\$1.10	\$3.75	\$15.00
Tenn. Long Red	1.10	3.75	15.00
White Spanish .....	.85	3.00	11.00
Valencia ..	1.00	3.50	13.00

SOY and VELVET BEANS—Bushel 60 lbs.

Catalogue Page 143.

	Peck.	Bu.
Mammoth Yellow Soy Beans.....	.90	\$3.25
Early Black Tar Heel Soy	1.10	3.75
Georgia Bush Velvet	1.50	5.00
Ninety-Day Speckled Velvet Beans.....	.70	2.50
Osceola Velvet Beans .....	.85	3.00

STOCK PEAS—Bushel 60 lbs.

Catalogue Page 44.

Black Stock Peas	
Brabham Speckled	
California Blackeyes	Cannot
Clay Stock.....	quote
Mixed Stock	now.
New Era	Will
Red Ripper	quote
Unknown or Wonderful	later
Whipporwill Speckled	on.
White Lady	
White or Sugar Crowder	

FIELD BEANS—Bushel 60 lbs.

Catalogue Page 44.

	Peck.	Bu.
Mexican Pinto	\$2.25	\$8.50
Red Kidney	2.25	8.50
White Navy	2.20	8.00
White Tepary	2.25	8.50

MISCELLANEOUS SEEDS.

	Peck	Bu.	100 lbs.
Artichokes, Jerusalem, Bu. 50 lbs.	\$1.25	\$4.00	
Broom Corn, Mo. Evergreen,			
Bu. 46 lbs.	1.00	3.00	6.50
Broom Corn—Oklahoma Dwarf,			
Bu. 46 lbs.	1.00	3.25	7.00
Buckwheat, Japanese, Bu. 50 lbs.	1.15	4.00	7.75
Buckwheat, Silver Hull, Bu. 50 lbs	1.15	4.00	7.75
Castor Beans, Bu. 46 lbs.	2.50	8.50	
Chufas, Georgia, Bu. 40 lbs.	2.00	6.50	
Flax Seed, Bu. 50 lbs.	2.25	8.00	
Rape, Dwarf Essex, Bu. 50 lbs.	2.00	6.50	12.00
Speltz, Bu. 40 lbs.	.80	2.75	
Rice, Japan Upland, Bu. 44 lbs.	1.75	6.00	
Spring Wheat, Bu. 60 lbs.	1.15	4.00	
Sunflower, Mammoth Russian,			
Bu. 25 lbs.	.75	2.25	8.00
Teosinte, 1 lb. 80c; 10 lbs., \$7.00.			

FERTILIZERS.

Catalogue Page 54.

	100 lbs.	Ton
	2000 lbs.	
Armour's Acid Phosphate, 16%	\$2.00	\$36.00
Armour's Cotton Guano	3.50	60.00
Armour's Corn Special	3.00	48.00
Armour's 8-4-3 Guano	4.50	80.00
Bone Meal Fertilizer	4.00	
Nitrate of Soda	6.50	
Sheep Manure	3.00	

BABY CHICK FEED.

Catalogue Pages 64-65.

	10 lbs.	25 lbs.	100 lbs.
Blatchford's Milk Mash		\$2.00	\$7.50
Conkey's Buttermilk			
Growing Mash	.75	1.65	5.75
Conkey's Buttermilk			
Starting Food	.90	1.90	6.75
Chamberlain's Perfect			
Chick Food	.70	1.50	5.50
Globe Coarse Chick Feed	.50	1.00	3.75
Ful-o-Pep Baby Chick Feed	.60	1.25	4.50
Ful-o-Pep Growing Chick Mash	.60	1.30	4.75
Ful-o-Pep Oatmeal	.75	1.75	6.50
Ful-o-Pep Rolled Oats	.70	1.65	6.00
Pratt's Baby Chick Mash,			
14 lb. sack, \$1.50		2.00	7.50

MISCELLANEOUS FEED.

Catalogue Pages 63-65.

	10 lbs.	25 lbs.	100 lbs.
Alfalfa Meal			\$2.75
Blatchford's Calf Meal		2.00	7.00
Blatchford's Pig Meal		2.00	7.00
Blatchford's Rabbit Meal		2.00	7.00
Meat Meal Tankage	.75	1.75	6.50
Top Notch Rabbit Mash		1.00	3.50
Globe Pigeon Feed		1.30	4.75
Feeding Wheat		1.15	4.00
Russian Sunflower	1.00	2.00	7.50
Shawnee Pigeon Feed		1.25	4.70
Wheat Bran			2.25



DON SUNG

Makes Hens Lay.

Gets the eggs in any weather. It is easily given in the feed and doesn't force or hurt the hen in any way. DON SUNG is a real tonic. Try it—if it doesn't pay for itself and pay you good profit besides, your money will be promptly refunded. Trial size 50 cents, add 2c War Tax; Large size \$1.00, add 4c War Tax; Special, \$5.00; add 20c War Tax.

HEN FEED.

Catalogue Page 65.

	10 lbs.	25 lbs.	100 lbs.
Ful-o-Pep Dry Mash	.50	\$1.10	\$3.90
Ful-o-Pep Scratch Feed	.45	.95	3.50



GRIT, OYSTER SHELL, MEAT SCRAPS.

Catalogue Page 64.

	10 lbs.	25 lbs.	100 lbs.
Bone Meal, coarse or fine	.75	\$1.75	\$6.00
Darling's Meat or Beef Scraps	.75	1.70	6.50
Crushed Oyster Shell, hen size	.25	.50	1.50
Crushed Oyster Shell, chick size	.25	.50	1.50
Charcoal, coarse or fine	.75	1.75	6.00
Eg-S-Ur Poultry Grit	.25	.50	1.35
Eg-S-Ur Chick Grit	.25	.50	1.35
Mica Crystal Grit, coarse only	.35	.70	2.25
Red Cross Pigeon Grit	.40	.85	2.75

Send us your orders. Article not priced not in stock. Will price them later in the season. Our terms are cash with order—please remit with order.

Refer to catalogue for Seeds and Articles not listed on this sheet.

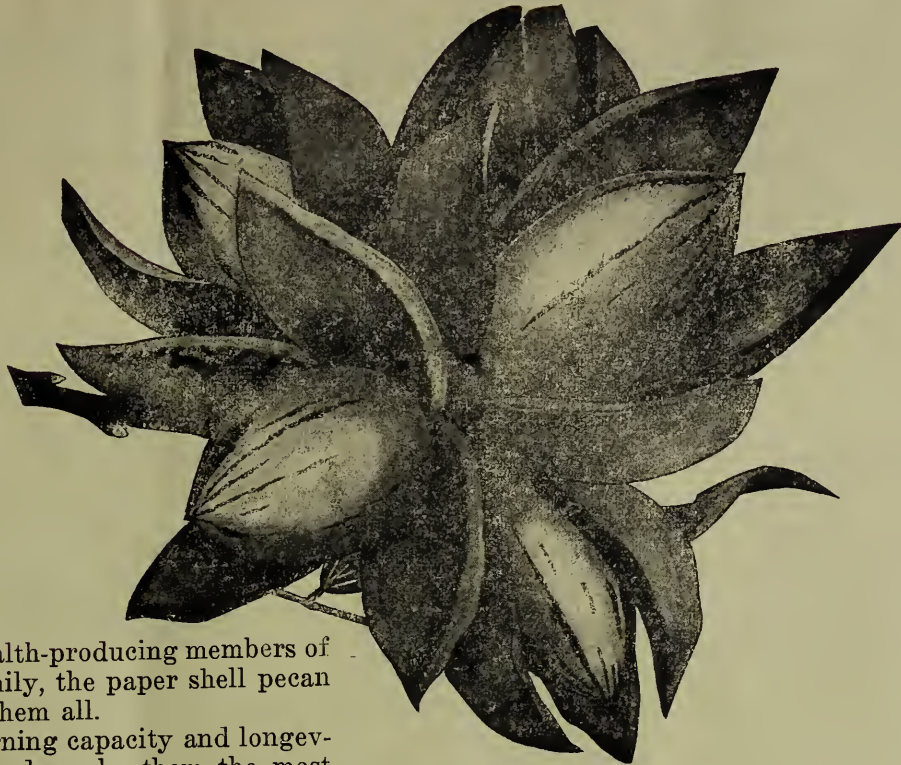
RUSSELL-HECKLE SEED COMPANY

MEMPHIS, TENNESSEE

Sales Store, 24 S. Front St.

Wholesale Warehouse, 417 S. Main St.

PAPER SHELL PECANS



OF all the wealth-producing members of the nut family, the paper shell pecan is king of them all.

The immense earning capacity and longevity of pecan orchards make them the most profitable investment of anything in the agricultural line.

PLANTING TIME, CULTURE, ETC.

Trees set out any time in January, February or March will grow off satisfactorily. Dig holes deep and wide, setting tree almost like it originally grew, not too deep, but see that the roots of trees are well firmed, or the tree can be staked so it will not shake.

Prune or cut back all the limbs slightly. It helps the root system to prune the trees when first set out.

Fertilize slightly, using one pound of Bone Meal and one pound of Sheep Manure mixed together to each tree, mixing them well with the soil.

The first season young trees should be watered in dry weather. Also keep the soil stirred around them. With a little care along this line they should make quick growth and should commence bearing in four to six years.

We have an extra nice lot of trees to offer now, raised from the famous Frotscher Paper Shell Pecan Seed. Send your orders promptly before they are all gone. We will get them to you at the proper time. Prices as follows:

3-4 foot trees.....	5 for \$3.00, 100 for \$30.00
4-5 foot trees.....	5 for 5.00, 100 for 50.00
5-6 foot trees.....	5 for 7.50, 100 for 80.00
Specimen trees, 7 feet, each	\$4.00, 5 for \$15.00

Packed f.o.b. Memphis. Terms strictly cash. No C.O.D. shipments.

One hundred of these Pecan Trees planted on suitable ground, offer you an investment that will be hard to equal with an expenditure of the same amount in any other line. Besides which, the satisfaction and pleasure they will afford you something that cannot be measured in dollars and cents. Should you not have room for so many trees, plant four or five, or all that you can find room for, and you will thank us for making the suggestion many, many times in the years to come.

RUSSELL-HECKLE SEED CO.

24 SOUTH FRONT STREET

MEMPHIS, TENN.

WHOLESALE WAREHOUSE, 417 SOUTH MAIN STREET

ONLY
LOW

NN.

D

me for col-
r handling

RDEN

allow no

ce

Answer

PAPER SHEET RECANS



Artic
Broo
Bu
Broo
Bu
Buck
Buck
Castc
Chuf:
Flax
Rape
Spelt
Rice,
Sprin
Sunfl
Bu
Teosi

Armo
Armo
Armo
Armo
Bone
Nitrat
Sheep

Blatch
Conke
Gro
Conke
Star
Cham
Chic
Globe
Ful-o-l
Ful-o-l
Ful-o-l
Fulo-P
Pratt's
14 11

Alfalfa
Blatch
Blatch
Blatch
Meat 2
Top No
Globe 1
Feeding
Russiar
Shawne
Wheat

Send
are cas
Refe

RI

Sales :

RUSSELL REED & CO.

PLEASE USE THIS SHEET WHEN ORDERING GOODS

**WRITE NAME AND ADDRESSES PLAINLY
AND IN FULL — IN THE SPACE BELOW**

Russell-Heckle Seed Co.

MEMPHIS, TENN.
24 S. Front St.

Please forward the following, as per terms of your catalogue by

AMOUNT ENCLOSED

(State here if wanted by Mail, Express or Freight and Route.)

M. O.....

Check
(If you send personal checks, add 10c to same for collection, as our banks make this charge for handling same.)

Date

Cash

(Name)

Post Office....., State.....
(Write plainly)

Stamps

SPECIAL RATES ON PACKET GARDEN AND FLOWER SEEDS

County { R. F. D. No.....
Box No.....

Select any 6	5c	size for 25c
Select any 13	5c	size for 50c
Select any 30	5c	size for \$1.00
Select any 3	10c	size for 25c
Select any 7	10c	size for 50c
Select any 15	10c	size for \$1.00

Shipping Depot or Express Office if
different from Post Office.....

We pay Parcel Post at above rates, but allow no further discounts.

[illegible]

SPECIAL NOTICE: If out of variety ordered, do we have your permission to substitute equal or better in nearest we can supply? (-----)
Answer

We Sell Poultry Supplies, Insecticides, Spray Pumps and Fertilizers.

[illegible]

SPECIAL NOTICE—We shall esteem it a great favor if you will give us in the space below the NAMES and ADDRESSES of Market Gardeners, Truck Farmers or any persons interested in seeds among your acquaintances. We wish to send them our Seed Catalogue. For your kindness we will enclose some seed, which you do not order, **FREE OF CHARGE.**

[illegible]

WHEN YOU PLANT YOU WANT THE BEST. SOW RUSSELL-HECKLE'S TOP NOTCH FIELD SEEDS. THEY ARE BEST.

High Quality Vegetable Seeds.

**PROTECT YOURSELF FROM FAILURE—INSURE YOUR CROPS BY PLANTING
RUSSELL-HECKLE'S HIGH-GRADE SEED.**

Our seeds are the **BEST** that can be obtained anywhere. No matter what others may ask for their seeds, better quality cannot be obtained anywhere, as our fast increasing trade will testify.

THE VEGETABLE GARDEN.

No matter how small the place, none is complete without its own vegetable garden to furnish the home table.

A well-planned and neatly kept garden can be made to pay, on a dollar and cents basis alone. In these days of high prices, the vegetable garden can be made to pay, and where that side of the matter is disputed, there is no question that to get the best quality of vegetables you must grow them yourself.

Any plot of ground, with intelligent preparation, can be made to grow crops successfully.

A home garden is one of the most important and valuable parts of the farm or home, for what is healthier and cheaper than a nice lot of fresh vegetables, such as radishes, corn, lettuce, tomatoes, peas, beans, etc., for the table, any one of which can be easily grown by following our instructions.

Asparagus

One Ounce Will Sow About 50 Feet of Drill

Sow in spring as soon as the soil is in good working condition. Cultivate during summer, and give the plants a light covering of stable litter during winter. At one or two years, transplant to permanent beds.

Palmetto Very early, large and pale green, purple tipped. Pkt., 50, \$1.65; 100, \$2.70. By express—50, \$1.50; 100, \$2.50; 500, \$10.00.

Barr's Mammoth Large and fine, white tipped. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 70c; parcel post paid.

Asparagus Roots

Set roots or plants either in spring or fall, directions for making beds supplied with orders.

Palmetto Price, two-year old roots. By parcel post—Doz., 60c; 50, \$1.65; 100, \$2.70. By express—50, \$1.50; 100, \$2.50; 500, \$10.00.

Asparagus Knives

Fifteen inches long; blade 1½ inches wide, 50c each. If by mail, postpaid, 60c each.

Artichokes

One Ounce Will Produce 500 Plants

Sow seed in drills 8 or 10 inches apart; when the plants are well up transplant in rows 4 feet, apart and 2 feet apart in the rows. Cover with straw during winter.

Green Globe French

Fine large heads. Pkt., 10c; oz., 75c; parcel post paid.

Artichoke Jerusalem

Excellent for fattening hogs; plant in rows 4 feet wide, any time in March and April, dropping the tubers 18 inches apart in the row; immensely productive; three bushels will plant an acre of ground. By parcel post—Quart, 35c; 4 quarts, \$1.00. By freight or express—4 quarts, 75c; peck, \$1.25; bushel, \$4.00.

Horse Radish

Plant in rows 18 inches apart, putting the sets 1 foot apart. Doz., 30c; 100 for \$2.00. By parcel post, doz., 35c.

Broccoli

A vegetable similar to cauliflower, of less delicate flavor but more hardy. It is cultivated extensively, as it does better than cauliflower, being hardier. Pkt., 10c; oz., 60c; 2 ozs., \$1.00; parcel post paid.

Brussels Sprouts

A specie of the cabbage family, especially desirable for planting during the summer and fall. The "sprouts" are miniature cabbages, growing closely on the stalks of the plant, a small head being formed at each leaf joint. The best time to sow the seed is July and August. When the plants are from four to six inches high transplant to the open ground like cabbage. Pkt., 10c; oz., 50c; 2 ozs., 75c; ¼ lb., \$1.25; parcel post paid.

Rhubarb, or Pie Plant

A fine, healthful fruit, but not at home in hot, dry soils. Requires a rich, deep, moist, warm soil. Set out in the spring 4 feet apart each way. Strong, two-year-old roots. By parcel post, each 25c; 5 for \$1.00; 12 for \$1.80. By express, each, 15c; 12 for \$1.50.

OUR SPECIAL DISCOUNT

On all cash orders for garden and flower seeds only, at our catalog prices, we will allow the following special discounts:

For \$1.00—Select seed in packets, 1 oz., ¼ lb., ½ pt., 1 pt., 1 qt., to the value of \$1.15.

For \$2.00—Select seed in packets, 1 oz., ¼ lb., 1 lb., ½ pt., 1 pt., 1 qt., to the value of \$2.40.

For \$3.00—Select seed in packets, 1 oz., ¼ lb., 1 lb., ½ pt., 1 pt., 1 qt., to the value of \$3.60.

These special discounts apply only to garden and flower seeds in the size packets as stated. They do not apply to any Plants, Fruit Trees, Farm Seeds, Onion Sets, Fertilizers or Poultry Supplies. Our prices are reasonable, our discounts liberal, our seeds the best. Send us your orders. We will treat you right.



PALMETTO ASPARAGUS



ARTICHOKES

an acre of ground. By parcel post—Quart, 35c; 4 quarts, \$1.00. By freight or express—4 quarts, 75c; peck, \$1.25; bushel, \$4.00.



BRUSSELS SPROUTS

Bush Beans

Dwarf, Bush or Snap Green Podded

Culture—These can be planted with safety any time from April 1st to September 1st. Sow 3 inches apart in rows, and have the rows 2½ or 3 feet apart. One quart will sow 200 feet of row.

Black Valentine A new bean. Very early, round pod, light green color. May be planted quite early, as the seed stands cold weather well. A strong grower and very hardy. It produces much larger pods than the Red Valentine and is hardier, but rather later than this variety. A good bearer and attractive in appearance, making it a good market variety.

Burpee's Stringless Green Pod This is a stringless bean, and this quality alone puts it ahead of most table beans. It is also extra early and of splendid table qualities. A vigorous grower, producing round, green pods of highest quality, being absolutely stringless. It is early, a heavy yielder and valuable alike for market or home garden.

Burpee's Fordhook Favorite One of the best. Beans almost stringless; fleshy, large, seed white. Entirely distinct in habit of growth. The stiffly erect bushes branch freely and bear tremendous crops. It is ready for use as early as the popular Burpee's Bush Lima, but the beans are much plumper and remain green much longer. The shelled beans are very fat, are closely packed in the pods, which shell very easily. Pods are borne in clusters of from 4 to 6, average 4 to 5 inches long and contain usually 4 tender beans of a delightful flavor.

Giant Stringless Green Pod A selection from the original stringless, not quite as early, but fully a third larger than its parent. Has a much larger pod than the Stringless Green Pod; average 5 inches long. Full and fleshy, extremely crisp and absolutely stringless; very early and prolific.

Improved Red Valentine This is the most popular bean grown. The pods are round, thick and fleshy, of good quality and flavor. To those who want an extra early, yet extremely productive, green pod bean of most temptingly delicious quality, we recommend this superb bean, knowing it will please the most critical epicure. Every essential of this strain is decidedly a winner; its quality; its productiveness; its appearance; its earliness; its size; its ease of culture; its tenderness; its brittleness; its delicious flavor and its incomparable lusciousness. Edible pods in about five weeks.

Tennessee Green Pod A very hardy and healthy bean of recent introduction, is a good yielder of large, very flat pods, 6 to 7 inches long; dark green color and excellent flavor. Not entirely stringless. Its chief recommendations are earliness and vigor. This fine variety is planted very extensively in the South.

We can also supply the following well known varieties

Bountiful Mohawk Six Weeks
Full Measure Refugee, or 1,000 to 1
Long Fellow Hopkins Red Valentine
Prices, any of the above 12 varieties: Pkt., 10c; ½ pt., 20c; pint, 30c; quart, 50c; parcel post paid. Not prepaid: ½ pint, 15c; pint, 25c; quart, 40c.



WAX, OR YELLOW POD VARIETIES

Curries Rust-Proof Wax This bean grows very free from rust. One of the old, well known varieties. Large, flat pods, nearly stringless and very tender. Matures in about 50 days from time of planting. We recommend this variety as one of the best.

Golden Wax Vines medium sized, vigorous and hardy; pods broad, flat and of a golden yellow color. This variety is an improvement over the old Golden Wax. The plants are very resistant to rust.

Refugee Wax Almost stringless. An early variety. Very tender and of the finest quality. Produces in about 45 days from time of planting in warm, favorable locations and continues to bear for several weeks. Pods are 4½ to 5 inches long, slightly curved, well filled and round. Used largely for canning.

Sure-Crop Stringless Wax A perfectly stringless, flat-pod wax bean. Pods large and are produced freely. Upright, vigorous vine. A fine, sweet flavor.

Webber Wax A high quality, flat podded, stringless variety of the season of Wardwell's Wax. Pods 6 to 6½ inches, broad, and uniformly curved, fleshy, stringless and brittle. Preferred by many to Wardwell's Kidney Wax, on account of its bright yellow color. Try some this season.

STANDARD WAX BUSH BEANS

Golden Eyed Wax, Prolific Black Wax, Round Pod Wax, Wardwell's Kidney Wax

Price, any of the 9 varieties of Wax Pod Beans listed uniform as follows: Pkt., 10c; ½ pint, 20c; pint, 30c; quart, 50c; parcel post paid. Not prepaid: ½ pint, 15c; pint, 25c; quart, 40c.

Prices on Bush Beans by the peck and bushel are quoted on Special Green Ink Price Sheet enclosed.

SPECIAL RATES ON PACKET GARDEN AND FLOWER SEEDS

Select any six 5c size for	-----	\$.25
Select any thirteen 5c size for	-----	.50
Select any thirty 5c size for	-----	1.00
Select any three 10c size for	-----	.25
Select any seven 10c size for	-----	.50
Select any fifteen 10c size for	-----	1.00

We pay parcel post at above rates but allow no further discounts.



SURE CROP STRINGLESS WAX

Pole or Running Beans

Plant in May and June, in rows 4 feet each way; 5 in a hill. Can be planted in corn or by poles, 8 feet high. One quart will plant about 200 hills.

Kentucky Wonder or Old Homestead It is almost needless to say anything about this great pole bean, for who has not grown it? Popular everywhere in the South for years because of its wonderful production of splendid beans. The yield is great, the quality is good, and no bean is more sure of making a crop. It bears in 65 days from planting; should be kept picked so that it will continue bearing until frost. The beans are 6 to 12 inches long, tender and rich. It should be planted in every garden, and be sure to get the genuine Kentucky Wonder and not any of the tough substitutes.

McCasland Pole A new variety of excellent merit. The pods are long, meaty and flat, and are of delicious flavor.

Scotia or Striped Cornfield This is the real, unadulterated Cornfield Bean that you have read so much about. If you want a bean to plant in your corn, this is your one choice. It will produce the kind of results that you'll expect. It is green-podded, producing beans about 6 inches long, round and well filled.

Tennessee Wonder (Nancy Hanks or Nancy Davis). A bean that is becoming very popular in the South. Very similar to the Striped Creaseback. Fine for planting in corn.

Golden Cluster Pole Wax The best and most productive main crop variety of the wax podded pole beans. It is medium early, is of excellent quality, used either as snap, green or dried shelled beans. The vines are of large growth and produce in abundant clusters of 3 to 6 yellow pods, averaging about 8 to 9 inches. Very attractive and much used for show and exhibition purposes. The pods are flat, straight, very broad, thick and fleshy, entirely stringless, very smooth surface. The dry seed is pure white.

Kentucky Wonder Pole Wax Similar to green podded Kentucky Wonder. Broad, fleshy, stringless pods of fine quality.

Lazy Wife An excellent variety for home use. Can be used for cooking green or shelled for winter. Pods are broad, thick and stringless until quite large; very tender, of delicious flavor.

Red Speckled Cut Short This variety is the best bean to plant in corn hills. It is hardy, late and a heavy yielder.

White Creaseback or Fat Horse Especially valuable on account of its earliness and the fact that the entire crop may generally be harvested at one time. The vines are small, but produce large crops on good soil.

White Seeded Kentucky Wonder Similar to Kentucky Wonder, except that the seed is white and pods not quite so large.

Prices on all Pole or Running Beans and Pole Lima Beans by the peck and bushel are quoted on Special Green Ink Price Sheet enclosed.

Price, any of the above 10 varieties of Pole Beans, pkt., 10c; ½ pint, 20c; pint, 35c; quart, 60c; parcel post paid. Not Prepaid, ½ pint, 15c; pint, 30c; quart, 50c.

Pole Lima Beans

Plant in hills three to four feet apart each way, and two inches deep, allowing six seeds to each hill. When the plants are well established they should be thinned out to four. They are more sensitive to cold than the Bush Beans, and should not be planted before May.

Russell Heckle's True Southern Lima Bean

A cross between the Small Butter and the Large Lima family. A wonderful bearing variety, the shelled beans are snow white and almost as large as the Limas. Do not fail to try them.

Russell Heckle's Monster Lima Beans

The best and largest Pole Lima Bean in existence. The pods are gigantic in size, bearing in clusters of four to six. The beans are of a light green, with a very fine skin, being tender when cooked. There are from five to six beans in a pod, and sometimes more.

Standard Butter And Lima Beans

Carolina or Sieve Pole Beans, King of the Garden Lima Beans, Large White Lima Beans, Speckled or Calico Butter Beans. Price, any of the six Butter and Lima Beans on this page as follows: Pkt., 10c; ½ pint, 20c; pint, 40c; quart, 70c; parcel post paid. Not prepaid: ½ pint, 15c; pint, 35c; quart, 60c.

Bush Lima Beans

One Quart Will Plant 200 Feet of Drill

Plant in May in light rich soil, in drills two feet apart, dropping the seeds about one foot apart in the row, and cover two inches.

Burpee's Improved Bush Lima

The standard large bush lima.

Henderson's Bush Lima

Beans are small but very productive, bearing continuously throughout the summer.

Jackson Wonder Bush Lima

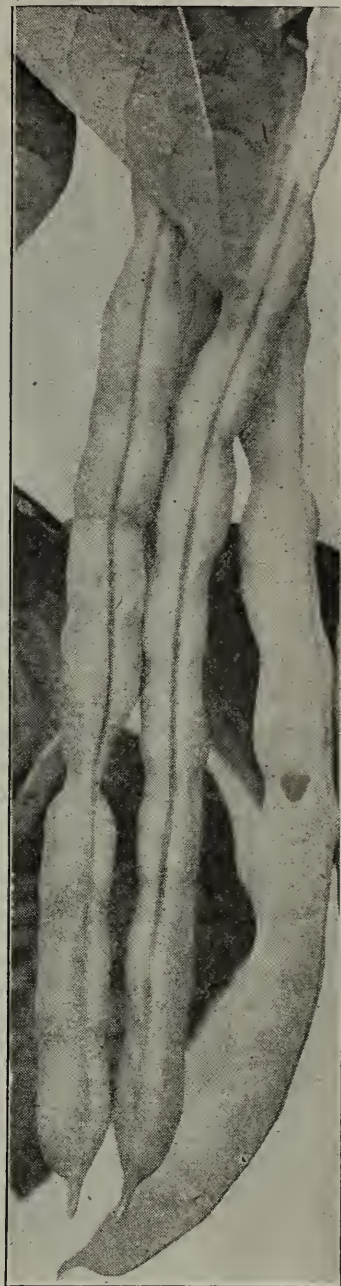
Of more bushy character than other varieties; pods borne nearer stalk. Productive; in quality and flavor unsurpassed.

Woods Prolific

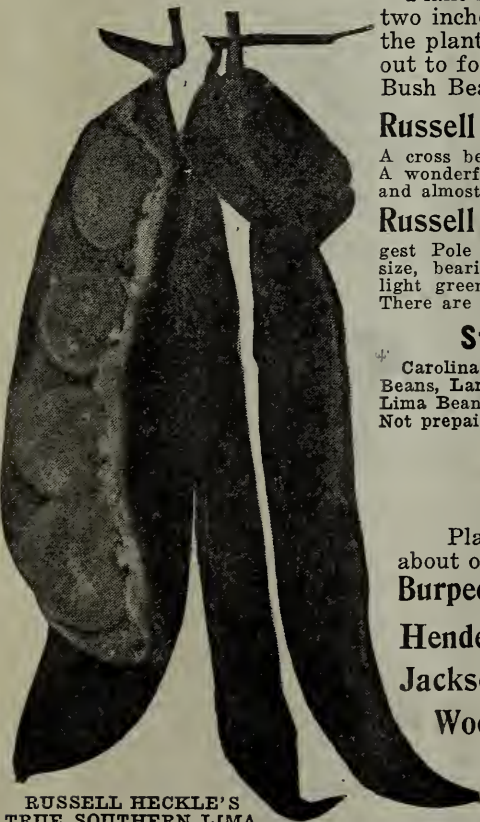
Same as Henderson Bush, but pods and beans slightly larger. Very prolific.

Prices on Bush Lima and Green Pod Bush Beans by the peck and bushel are quoted on Special Green Ink Price Sheet enclosed.

Price any of the 4 Bush Lima Beans as follows: Pkt., 10c; ½ pint, 20c; pint, 35c; quart, 70c; parcel post paid. Not prepaid: ½ pint, 15c; pint, 30c; quart, 60c.

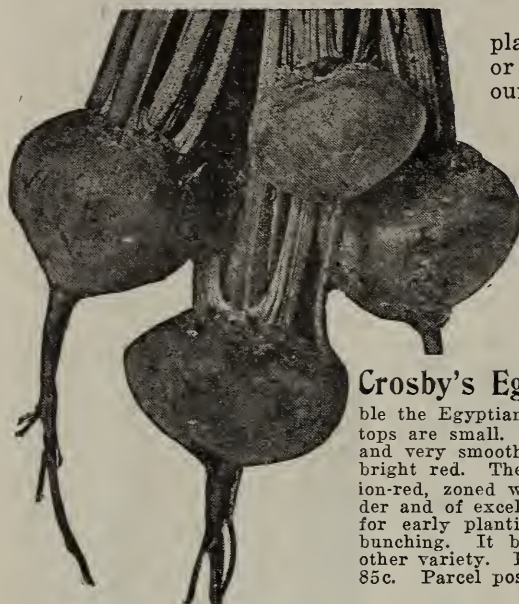


KENTUCKY WONDER



RUSSELL HECKLE'S
TRUE SOUTHERN LIMA

Choice Table Beets



CROSBY'S EGYPTIAN

bunching. The tops are small. The roots are bright deep red, smooth, round or slightly top shaped, with a small tap and small collar. The flesh is bright red, zoned with pinkish white, very sweet, crisp and tender, especially when young. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 80c; parcel post paid.

Early Blood Turnip This is a turnip beet, and is the old standard among the early varieties. It is of dark red color and is perhaps the most popular of all beets. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 80c; parcel post paid.

Crimson Globe Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 85c; parcel post paid.

Beet Plants

Ready about March 1st.

Varieties: Crosby's Egyptian and Eclipse Blood Turnip.

Price by express—50, 20c; 100, 40c; 500, \$1.75.

Price by parcel post—50, 35c; 100 60c; 500, \$2.10.

For very early crop sow in hotbeds in January and February and transplant. Sow outside in drills from March to July, as desired, for medium early or late crop. Drills 2 to 3 feet apart. Use a light, clean, free deep soil. One ounce will sow 50 feet of drill.

Early Model The earliest of any beet in existence. It is of perfect globe shape with small tap roots. The color of the flesh is very dark red, which makes it splendid for pickling purposes. In flavor it cannot be beat. It is tender, sweet and juicy, retaining its crispness throughout the season. The foliage is of a very dark color, is very small, permitting close planting of beets. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25.

Crosby's Egyptian This very desirable table beet does not closely resemble the Egyptian except in its extreme earliness. The tops are small. The roots are flattened globe shaped and very smooth. The exterior color of the root is bright red. The flesh of our strain is bright vermilion-red, zoned with a lighter shade, very sweet, tender and of excellent quality. This is one of the best for early planting outdoors and is much used for bunching. It becomes fit for use earlier than any other variety. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 85c. Parcel post paid.

Early Eclipse An early beet especially desirable for the home garden and used for



EARLY MODEL

Detroit Dark Blood Turnip Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 80c; parcel post paid.

Edmand's Blood Turnip Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; parcel post paid.

Long Smooth Blood Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 85c; parcel post paid.

More beets should be eaten, more should be grown at home. It is an easy crop to grow and beets are a healthy food. In the process of digestion the body gets from beets and other root crops a large percentage of vegetable salts and sugar, which is necessary for our best health. Beets and other root crops are health producers.

Plant more beets and eat more—they are a cheap food, too.

Swiss Chard or Silver Beet Grown for its leaves and stems only. Cook the leaves as you do spinach and the stems like asparagus. Leaves grow from 20 inches to 2 feet in length. The plant is almost perpetual if kept trimmed; also good for poultry greens. Try it in your garden this year. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00, parcel post paid.

CALENDARS FREE

When you order any goods, if you request it, we will be pleased to mail you one of our "Year at a glance Calendars."

Mangels and Sugar Beets

USE FOR FEEDING CATTLE—SOW FIVE LBS. PER ACRE

CULTURE—Sow in April and May in thoroughly plowed, well-manured soil, in drills 2 inches deep and about 18 inches apart. Thin out to 12 inches and keep the weeds down by frequent hoeing and

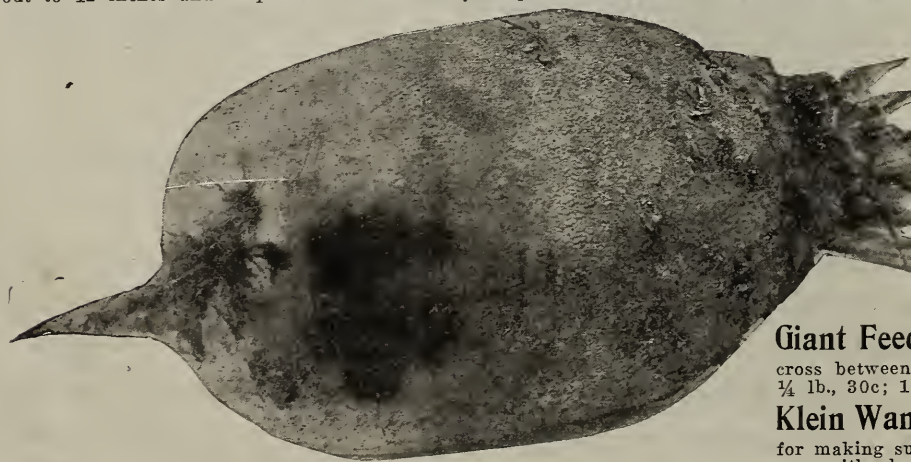
cultivating. Low ground is best adapted for Mangel-Wurtzel. An ever-increasing acreage is being planted for stock beets, because of the wonderful results by feeding them, as shown by the reports of our Experiment Stations and leading farmers and stockmen. Fattening, breeding and milk cattle do equally well on them. About one-fourth of the daily rations should be of roots. Hog cholera is prevented by their use. Where many are grown a good drill and cultivator are needed.

Golden Tankard Mangel The best type of Mangel, small top, smooth, rich skin, broad shoulders, very solid fleshed, golden stemmed, heavy producer. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 70c; parcel post paid.

Long Red Mangel Wurzel The well-known, large, long variety, grows well out of ground. Color light red. Very productive. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c; parcel post paid.

Giant Feeding Sugar Beet A large growing sort, and used for feeding stock; a cross between the mangel and sugar beet. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 75c; parcel post paid.

Klein Wanzleben Sugar Beet More extensively grown than any other variety for making sugar; the average yield is from 15 to 20 tons per acre with about 18 per cent sugar. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 75c; parcel post paid.



GOLDEN TANKARD MANGEL

The Best Varieties of Cabbage

Sow in January, February and March for spring setting; in April to June for late crop. Sow in September for transplanting in November for very early spring crop. Transplant to good, rich, clean soil, in 3 to 4 foot rows, 16 to 18 inches between plants, according to variety.

Early Jersey Wakefield A favorite early variety for both market gardeners and general use. Head is very compact, medium size, pointed in shape. The standby for the main crop of the extra early sorts. Pkt., 5c; oz., 35c; ¼ lb., 90c; 1 lb., \$2.75; parcel post paid.

Charleston Wakefield Exceedingly hardy. Very large, sure-heading sort. Head is very solid, pointed, but broad at the base. The leaves are large and slightly waved. Pkt., 5c; oz., 35c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.

Russell-Heckle's Eureka This is a valuable extra early variety, coming into use as early as Wakefield. The heads are round, slightly flattened and very solid. Fine market gardeners' stock. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$4.50; parcel post paid.

Early Spring About four days to a week later than Charleston Wakefield. Of fair size and solidity for so early a flat-head sort, and especially suitable to light or well-drained soils, as it heads quite close to the ground. Pkt., 5c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.00; parcel post paid.

Early Winnigstadt This is one of our most popular varieties, especially among the German gardeners. There is no early sort

which heads with greater certainty, or more solid; the heads are of good size, cone form, broad at the base, with twisted top, and succeeds the Large York. Pkt., 5c; oz., 35c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.

Early Drum Head One of the best second early varieties; large, deep heads; solid, uniform in color, size and shape. Pkt., 5c; oz., 30c; ¼ lb., 75c; 1 lb., \$2.25; parcel post paid.

Early Flat Dutch Medium early; large, flat, solid heads; a reliable and popular variety. Pkt., 5c; oz., 35c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.

Succession Second early variety, coming in a few days later than Early Summer, but it is nearly double the size of that variety and comes true to



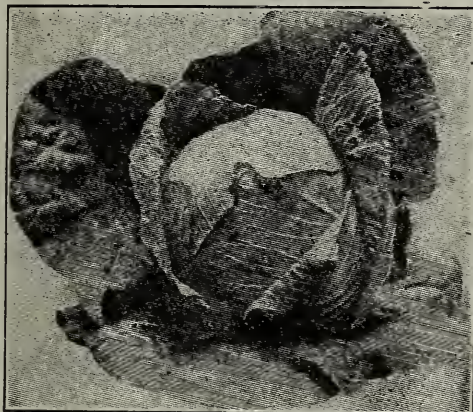
CHARLESTON WAKEFIELD

its type under most conditions. Pkt., 5c; oz., 35c; ¼ lb., 70c; 1 lb., \$2.25; parcel post paid.

Late Flat Dutch This we have always found a reliable and sure header, producing large, round, solid heads, flat on the top, of low growing habit, and few outer leaves. Pkt., 5c; oz., 30c; ¼ lb., 70c; 1 lb., \$2.25; parcel post paid.

Large Late Drumhead Rounder on the top than Flat Dutch, and not quite so short-stemmed. Good, large heads. Pkt., 5c; oz., 30c; ¼ lb., 70c; 1 lb., \$2.25; parcel post paid.

All Seasons A very fine summer cabbage. The heads are at least a third larger than All Head, but if planted early will mature within a few days of the All Head. It is also an excellent variety to plant for fall use. Pkt., 5c; oz., 30c; ¼ lb., 70c; 1 lb., \$2.25; parcel post paid.



RUSSELL-HECKLE'S EUREKA

Drumhead Savoy The best and largest heading of the Savoy Cabbage. Few people seem to know the delicious flavor of Savoy Cabbage. It is far superior to the flat-leaved sorts, and as tender as cauliflower after frost. Should be in every private garden. Pkt., 5c; oz., 35c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.



SUCCESSION

Standard Cabbage Seed

	Pkt.	Oz.	¼ lb.	1 lb.
ALL HEAD EARLY	----- \$0.05	\$0.30	\$0.70	\$2.00
DANISH BALLHEAD	----- .05	.30	.75	2.50
EARLY SUMMER	----- .05	.30	.70	2.00
COPENHAGEN MARKET	----- .05	.35	1.00	3.00
SUREHEAD	----- .05	.30	.70	2.00
RED STONEHEAD	----- .10	.50	1.00	3.50

The Best Frost Proof Cabbage Plants

Deliveries of all Plants Will be Made Subject to Crop Failures and Other Causes Beyond Our Control

VARIETIES—Early Jersey Wakefield, Charleston Large Wakefield, Succession and Early Flat Dutch

Prices when shipped from Growing Station in South Carolina:

Prepaid by parcel post—100, 50c; 500, \$1.75; 1,000, \$3.25.
Not prepaid by express—500, \$1.50; 1,000, \$2.50; 5,000, \$10.00.

Prices when shipped from Memphis

Prepaid by parcel post—100, 60c; 500, \$2.25; 1,000, \$3.75.
Not prepaid by express—500, \$2.00; 1,000, \$3.25; 5,000, \$15.00.

We usually have plants ready to ship promptly, but occasionally on account of heavy orders, we may be compelled to hold your order a few days, but rest assured however, we will get them to you as quick as possible.

No order filled for less than 100 of a variety. We do not ship any plants C. O. D. Our terms are cash with order.

Home Grown Cabbage Plants

These are ready about the first part of March; they should not be set out any earlier, being tender they are not as hardy as the frost-proof kind.

Prices as follows: By express—100, 40c; 500, \$1.75; 1,000, \$3.00. By parcel post—100, 50c; 500, \$2.00; 1,000, \$3.50; 5,000, \$14.00; 10,000, \$25.00.

We can furnish the following varieties: Early Jersey Wakefield, Early Flat Dutch, Charleston Wakefield, Succession.

Carrots

Sow from February to September in light, deep rich soil in drills 12 inches apart; plants should stand 5 inches apart in the rows; fertilize well. One ounce of seed to 100 feet of drill; 4 pounds to the acre.

Half Long Scarlet This variety is a very productive one. It has an extra large shoulder, is easily dug, and is desirable in all respects. It is a stump-rooted sort, very smooth, fine in texture and of a beautiful rich, orange color. For table use it is considered by many to be the best of all, both on account of shape and quality. The flesh, when cooked, is very tender. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00; parcel post paid.

Danver's Half Long A popular standard variety of rich, dark orange color. Regular and uniform in shape and wonderfully productive. Under special cultivation it has yielded from 20 to 25 tons per acre. One of the finest varieties in cultivation. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00; parcel post paid.

Improved Long Orange (Pointed Rooted) The standard late variety; very handsome and uniform in shape; deep orange color; good flavor; yields very heavily. Requires a deep soil; plants should stand 8 inches apart in 18-inch drills for roots to attain their full size. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 90c; parcel post paid.

Large White Belgian (For Stock). Grows to an enormous size, making very large yield of most nutritious and fattening feed for stock. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 90c; parcel post paid.

Celery

Sow in beds in February or March and keep well watered. Transplant from July to October to moist mucky soil; 6 inches apart in 12-inch rows. Earth up two or three times. Cover with straw from severe weather, with boards on top. One ounce of seed produces 2,000 plants.

Easy Blanching The stalks are of medium height and stocky in growth, and the easiness with which they are blanched and its keeping qualities has made it a universal favorite. The tender, brittle delicious flavored stalks are highly relished by all.

Giant Pascal Splendid variety for fall and winter use. It blanches to a yellowish white color, and is solid, crisp, and of fine flavor.



EASY BLANCHING

Henderson's White Plume An attractive variety, well-known for the short time necessary in blanching. Suitable for the home garden and market on account of earliness.

Golden Self Blanching Considered the best variety for early use; well known among celery growers for its fine quality. Plants are medium size, stocky, with yellowish-green foliage. Its handsome color, crispness, tenderness, freedom from stringiness and fine nutty flavor have made it a superior first early sort. Our seed stock has been carefully selected.

Celeriac, or Turnip Rooted Celery Celeriac is grown for its roots, which have a celery flavor and are used in soups. Sow early in boxes or under glass. Seeds germinate slowly and need plenty of water. For best results transplant the seedlings when three inches tall in boxes.

Price any of the above 5 varieties of Celery, pkt., 5c; oz., 35c; ¼ lb., \$1.00; parcel post paid.

Celery Plants

Ready about April 15th. Not less than 50 plants sold. Prices as follows: 50, 30c; 100, 50c; 500, \$2.00. By parcel post—50, 45c; 100, 75c; 500, \$2.50.

Varieties as follows: White Plume, Golden Self-Blanching.

Cauliflower

Cultivate like cabbage. Sow in January or February for early crop; May or June for late. Transplant to rich, moist soil; manure heavily and water freely. When heading begins fasten leaves over top of head to whiten. One ounce of seed makes 2,000 plants. We handle only the very best quality seed that will make a head.

Early Snowball A sure header; large, solid, perfectly white and good quality. Pkt., 10c; ¼ oz., 75c; 1 oz., \$3.00; parcel post paid.

Dry Weather Cauliflower This new cauliflower is especially adapted for growing in dry locations, when other varieties fail. It produces large, solid heads. Pkt., 10c; ¼ oz., 75c; 1 oz., \$3.00.

Cauliflower Plants

Ready about March 1st.

Prices as follows: Doz., 20c; 50, 60c; 100, \$1.00; 500, \$4.50. By parcel post—Doz., 30c; 50, 80c; 100, \$1.25; 500, \$5.00.

Chicory

Sow in April and transplant in May in trenches one foot deep; cover the roots with soil, adding a good layer of manure two or three inches thick. Valuable as a salad as well as a vegetable. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; parcel post paid.

Chinese or Celery Cabbage

Pe-Tsai Has a mild cabbage flavor, very delicate and delicious, and makes delicious slaw; also a very fine salad. When cooked it makes greens delicately cabbage-flavored and not at all like boiled cabbage. It blanches to almost clear white.

The culture is the same as for Winter Cabbage. The seed should be sown for fall crop in June, July to September, half inch deep in the row and rows about 24 inches apart. When the plant has grown up to 5 or 6 inches in height thin to 10 inches apart, keeping the best and pulling up the others. Cultivate well, and when large enough should be blanched by earthing up and tying closely with burlap. The heart is snowy white and very tender and sweet. Not affected by frost. Any good soil is sufficient, but they seem to head up best on rich, black adobe soil. Price, large pkt., 5c; 1 oz., 40c; ¼ lb., 85c; 1 lb., \$2.75; parcel post paid.



EARLY SNOWBALL CAULIFLOWER

The Best Collards

CULTURE—This is a variety of cabbage largely grown in the South, where it is extensively used for man and beast. It forms a large, loose, open head, or mass of leaves. Freezing does not injure the crop. Sow seeds in the South from January to May, August to September.

Georgia White Cabbage Called Cabbage Collard on account of its close bunching growth and light green leaves.

North Carolina Buncombe Large, spreading leaves; very hardy and has a good flavor.

True Southern The old-fashioned kind, known for a hundred years or more; very tall and long stemmed.

Price, any of the above three varieties, pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.10; parcel post paid.



TRUE SOUTHERN COLLARD

Kindly send us names and addresses of your gardener friends and we will mail them our catalog free.

Corn Salad

FETTIGUS

One ounce will sow about 18 square feet

Sow in September or October. Large, round-leaved. Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

Cress or Peppergrass

One ounce will sow about 15 square feet
A well known pungent salad. Sow at frequent intervals, to keep up a succession, as it soon runs to seed.

Curled or Pepper Grass Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.25; parcel post paid.

The Best of the Cucumbers

Improved Long Green The most popular cucumber in cultivation and especially adapted to the South. The immense, vigorous vines produce their fruits in abundance. The fruits of this variety often attain a length of 12 inches; are slender and of a uniform dark green color. It is a medium early variety and largely used for pickling.

Jersey Pickle A standard variety and the most popular variety for pickling. Similar to Green Prolific, but larger.

Everbearing Very early and extremely prolific. If fruits are gathered promptly after being ready to pick, vines will continue to bear until frost. There is nothing more valuable in the vegetable garden than a good multiplying cucumber—a strain that is a continuous bearer throughout the season. In this respect Everbearing fulfills its name right up to frost. Every stage of growth being in evidence at the same time, cucumbers of every description are obtainable; for pickling, for slicing, for salads, and so on, too numerous to mention. The average size is 4 to 5 inches in length; the color dark green; an excellent variety for small pickles.

Gherkin, or Burr This is a distinct variety used only for pickling. It is small and prickly and should be used when quite young. The seed requires about three weeks to come up. The housewife finds this sort a valuable addition to her garden for canning purposes.

Japanese Climbing A variety used for planting along trellises, fences, etc. Produces good fruit that can be used either for slicing or pickling.

Early Fortune Comparatively new type of cucumber. It is superior in many ways to old types, since trial has proven it to serve equally as well for shipping, home garden or market use. It has that dark, rich green color which is so necessary in cucumbers to bring a ready sale. Its flesh is very thick, firm and crisp with an exceedingly small seed cavity.

Price, any of above 10 varieties, pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.



DAVIS PERFECT

For very early crop plant in hotbeds; for later crop plant from April to July, in rich, well-manured hills 4 feet apart, 10 seeds in hill; thin to two or three plants. One ounce to 50 hills.

Davis Perfect A well-known variety for both home and garden and market use. Very prolific; handsomely shaped, perfectly straight, of dark green color, and about 12 inches long. Used for slicing.

Early Green Cluster An early and very productive variety. The vines are hardy and very vigorous, bearing fruits in clusters of two or three. The fruits are short, thick, bright green, shading lighter at blossom end, crisp and tender. This sort is planted in many sections for the home garden. It is extensively used for pickling cucumber as well as for slicing.

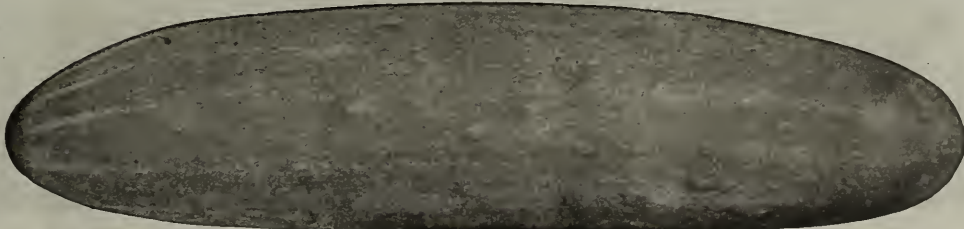
Burpee's White Spine An extra long cucumber of the White Spine family; it is smooth, straight and very handsome in appearance; skin is dark; flesh is a greenish white, very firm and crisp.

Improved Early White Spine

An improved strain of the White Spine; good for forcing or outdoors. It is early, symmetrical, dark green and a heavy producer. We heartily recommend this for truckers and gardeners, both for early and main crops. It is grown in all the market garden centers.



JERSEY PICKLE



IMPROVED LONG GREEN

Garden and Sugar Corn

For early market, plant early varieties latter part of March. Sugar corns should not be planted until April, then at intervals of two weeks for a succession. Sugar corn planted in July will mature late roasting ears. Plant 4 to 8 quarts to the acre.

Garden Corn

Extra Early Adams Earliest white corn; small ear and stalk. Same size, type and style as next below. Hardest and earliest corn. It is not a Sugar Corn, but is grown for early use. Ears short; kernels very white.

Early Adams About a week later than Extra Early, but has larger ears; small stalks; earlier and harder than sugar corn; good for table use. Like the above, is hardy, and can be planted early.

Early Surprise A splendid early white corn, coming in directly after Adams Early, but much larger; Has a deep white, soft grain.

Trucker's Favorite The hardest and earliest variety for table use; it can be planted earlier than any other, but is not a sweet corn; white, indented grains and short ears. Much larger than Early Adams and matures right after this variety. It makes fine stalks and ears and is valuable alike for every early field crop as well as for extremely late planting, also for table use.

Snow Flake Large size, very early; a fine corn for early roasting ears, also makes an excellent field variety as it matures in 80 to 85 days.

Improved Adams A fine variety, slightly larger than Early Adams and one week later. Sells well on account of the size of the ear.

Price any of the above six varieties of Garden Corn as follows: Pkt., 10c; ½ pt., 15c; pt., 25c; qt., 45c; parcel post paid. Not prepaid: ½ pt., 10c; pt., 20c; qt., 35c.

Sugar Corns

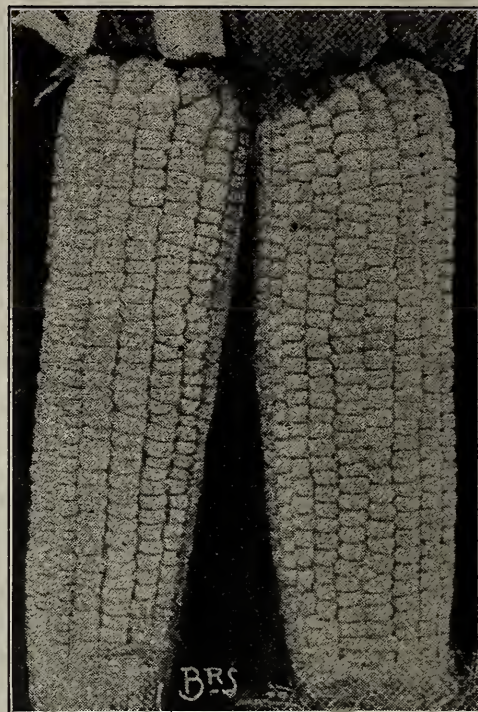
Golden Bantam Extra early, sweet, tender and delicious. Is becoming each year more popular because of its extreme early character, vigorous growth and delicious flavor. It is pronounced by many planters the finest extra early corn ever grown. The dry grain is entirely free from any flinty glaze, it is exceptionally hard and firm, hence can be planted earlier than any other true sweet corn. The stalks are dwarf, in habit, growing to a height of four feet and can be planted close together in the row; they bear two or three good small ears to the stalk. The grains are yellow. Golden Bantam is truly delicious.

Country Gentleman Small cob; long, slender, white grains. This variety has a small, white cob,

IMPROVED ADAMS

densely covered with irregular rows of very long, slender, white grains of excellent quality, ears seven to nine inches long; stands from six and one-half to seven feet high. Well adapted for canning as well as the home garden and market and by many regarded as the best of the late varieties.

Stowell's Evergreen Now recognized everywhere as the standard variety, both for home and market, and is the general favorite. The ears are of a large size, grains deep, exceptionally tender and sugary, and have the advantage of remaining longer in the green state than any other. Our stock has been carefully grown and selected to avoid the tendency to a shorter grain and deterioration in the evergreen character of this best of all sorts.



EARLY SURPRISE

Black Mexican Sugar The black corn is especially rich in sugar qualities. One of the best varieties for table use. Very sweet and tender and of a delicious flavor. When cooked it is very white and appetizing. An old time favorite.

Late Mammoth The mammoth ears are thick through, with many rows of large, broad grains of excellent quality.

White Evergreen (75 days). This produces large, handsome ears well filled with deep, pure white grains of delicious sweetness.

Howling Mob Of larger size than usual for the early kinds. It is remarkable for the fine flavor and sweetness and is a desirable gardeners' and canning variety. This variety originated at Toledo, Ohio, and its queer but appropriate name has reference to the loud and clamorous demand for the corn when brought to market. The stalks are usually about 5 feet in height and produce two splendid ears to a stalk early in the season. The ears are 7 to 9 inches in length and are well covered with a heavy husk, affording protection from the green worms which are destructive.

Henderson's Early Sugar Early, good-sized ears and deep grain; very productive.

Early Giant Kendall's early Giant is the largest sweet corn known and is very productive.

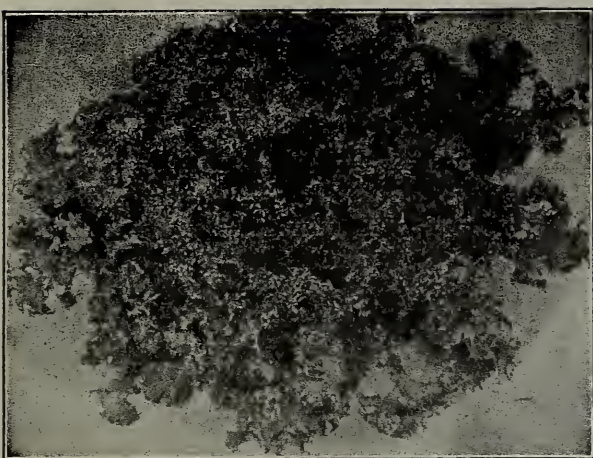
White Flint A standard and large yielding White Flint.

Price, any of the above 10 varieties of Sugar Corns as follows: Pkt., 10c; ½ pint 20c; Pint, 30c; quart, 50c; parcel post paid. Not prepaid, ½ pint, 15c; pint, 25c; quart, 40c.

Give our Garden and Sugar Corn a fair trial and let it convince you of its excellent qualities and hardiness.



GOLDEN BANTAM



GREEN CURLED ENDIVE

Dandelion

The Dandelion resembles Endive, and affords one of the earliest as well as one of the best and most healthy spring greens. Pkt., 10c; oz., 50c; ¼ lb., \$1.75; parcel post paid.

Egg Plant

Sow in February or March. When 2 inches high transplant to pots or good rich soil, and in May to 3-foot rows in deep, rich loam. One ounce of seed will produce 1,000 plants.

Black Beauty This is the earliest and best of all large fruited Egg Plants. The large fruits are thick and of the most attractive form. The skin is a rich, lustrous, purplish black, and it is entirely free from spines or thorns.

New York Improved Purple The old standard variety.

Price of above two varieties, pkt., 5c; oz., 50c; ¼ lb., \$1.50; parcel post paid.

Egg Plants

These are ready about the middle of April.
Prices as follows: By express—Doz., 25c; 100, \$1.25; 500, \$4.50. By parcel post—Doz., 35c; 100, \$1.50.
Varieties as follows: Black Beauty, New York Purple.

Endive

One Ounce Will Sow 200 feet of Drill

For first crop sow about the middle of May, and for succession in June and July. When the plants are two or three inches high, thin them out or transplant into moderately rich and rather light soil, one foot apart. When nearly full grown, and before they are fit for the table, they should be blanched by tying the leaves loosely together.

Green Curled The hardest variety grown; beautifully curled. Pkt., 5c; oz., 25c; ¼ lb., 50c; 1 lb., \$1.75; parcel post paid.

Garlic

The sets should be planted in well-enriched soil early in the spring, with the rows one foot apart, and about three inches between the plants in the row. Should be harvested the same as onions. Sets, ¼ lb., 20c; 1 lb., 50c; parcel post paid.

Gourds, Etc

Dipper Gourd	Packet	10c
Nest Egg Gourd		10c
Dish Rag or Luffa		10c
Sugar Trough		10c

Herb Seed

Basil, Sweet—For flavoring soups	Packet, parcel post paid	10c
Dill, Mammoth—Used for flavoring pickle		10c
Marjoram, Sweet—Used in seasoning meats		10c
Savory, Summer—Used as a culinary herb		10c
Sage, Broad Leaved—A popular flavoring plant		10c
Thyme—Much used for seasoning		10c
Lavender—Used for its odor		10c
Rosemary—For seasoning meats and soups		10c

Kale

This is extensively grown, especially in the South during the fall, winter and spring. The leaves are used principally for greens. A favorite way is to cook them with bacon.

Where climate permits seed may be sown any time from August to October, broadcast or preferably in drills eighteen inches apart so that the plants when small may be cultivated. The quality is improved rather than injured by frosts if not too heavy. Sow from 2 to 3 pounds to the acre, one ounce to 200 feet of drill.

Dwarf Curled Scotch A very early dwarf, hardy sort. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.50.

Tall Curled Scotch A tall growing sort, very hardy. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.50.

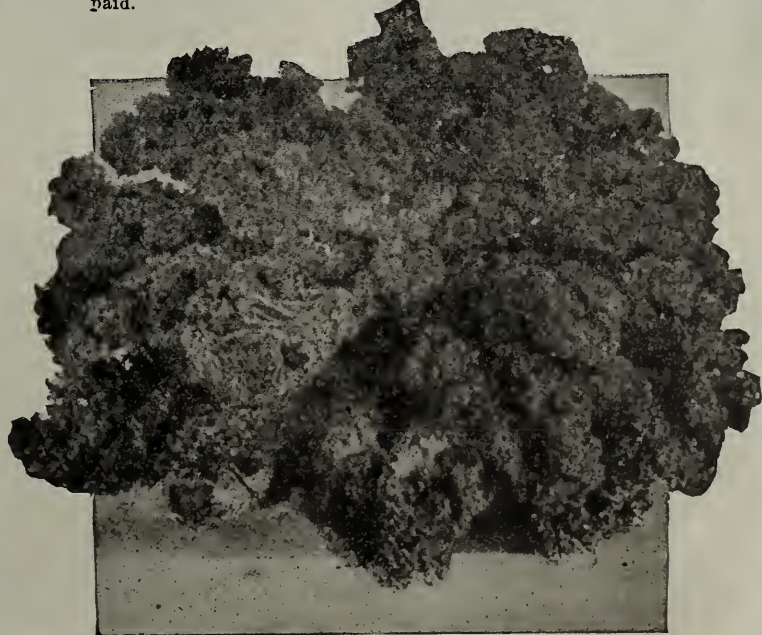
Dwarf Green Curled The hardest of the lot; very popular. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00.

Kohl-Rabi

Early White Vienna This is the best and earliest variety for table use. Pkt., 10c; oz., 35c; ¼ lb., 80c; 1 lb., \$3.00; parcel post paid.

Leek

London Flag Broad leaves, of strong and vigorous growth. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.



DWARF CURLED GREEN KALE

Lettuce

One ounce will produce 3,000 plants. For early use sow under glass in January or early February, and transplant as soon as the ground can be nicely worked. Sowing may be made in the open ground from April to middle of August, every 2 or 3 weeks for succession.

Big Boston A fine, large-heading forcing sort, and succeeds well in open ground; the plants are very hardy and vigorous. When well grown, the heads are beautifully blanching and tender. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

Black Seeded Simpson Produces a compact mass of leaves, light color; nearly double size of ordinary Simpson. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Early Curled Simpsin Makes a well-blanching, curly, loose head; crisp and tender; rapid growing; one of the best curled varieties. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Heckle's Bonanza The best head lettuce for early and late planting. Heads very uniform. Color of leaves light green on the outside, golden yellow inside. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.

Large White Cabbage Head

This is the best all-around lettuce in cultivation. Does well for early spring, summer and fall planting. Makes fine, large, solid heads with blanching hearts. Crisp and tender. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Mignonette Small, solid heading, never falls, edged with reddish-brown. The flavor is fine and the leaves crisp. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$1.75; parcel post paid.

Prize Head Solid heading, leaves edged with reddish brown. The flavor is fine and the leaves crisp. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Wonderful New York This splendid mammoth heading and long-keeping variety has been grown to weigh 6 lbs. to the head; frequently weighs 2 or 3 lbs., Heart is solid, of light green color, very sweet, tender and crisp. Long standing, perfect heads may be cut from the same bed for many weeks. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.

Cos or Romaine The best of the celery lettuces; forms large, light green, well folded heads of upright growth, and popular for its crispness and mild flavor. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

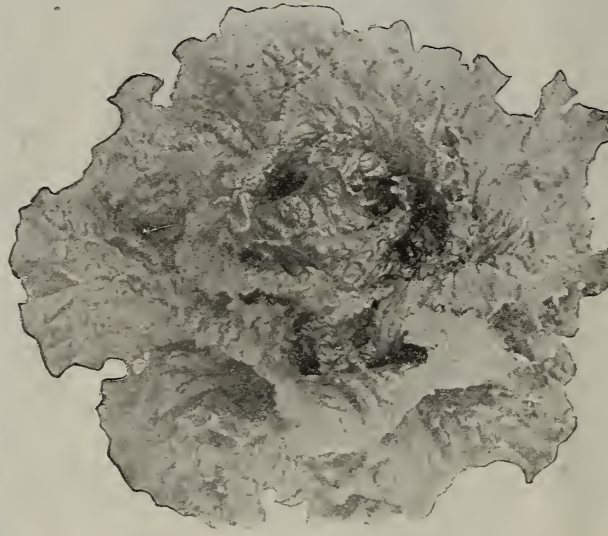
Burpee's Iceberg Lettuce The unusual solidity of the heads is insured by the large, white main ribs of the leaves, each of which curving strongly into the center, acts like a truss, making it impossible for the leaves to open outward and expose the center which is consequently thoroughly blanched. It matters not whether grown to head in the early spring or in the hottest days



BIG BOSTON HEAD LETTUCE

of summer, the leaves are always crisp and tender. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

Russell Heckle's Hard Head Matures in 40 days. A very early new variety, forming fine, hard heads within a few weeks after planting. It is medium sized, light green, with buttery, crisp leaves. Best of the smooth-leaved varieties. The best Summer header we know of, although it is practically an all season Lettuce. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00; postpaid.



WONDERFUL NEW YORK

Golden Queen Very light, golden green, small to medium sized heads, that are delicious and tender. The Golden Queen is always sure to head, and is a desirable, first-early variety, second to none for forcing. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$2.00 parcel post paid.

Hubbard Market The head is globular, very firm, color light green, inner leaves blanch to a delicate yellowish green color. Fine for home or market. A very celebrated and desirable variety of the Salamander type, forming large and compact heads. It will stand extreme heat and is slow shooting to seed. A splendid cabbage lettuce for the South. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

Tennis Ball One of the best for forcing or early outdoor planting. When grown, forms solid heads, which are crisp and tender. Extremely early head, small but solid. This is a decided butter variety and is splendid for the home gardens. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.

Lettuce Plants

Ready about March 1st.

Prices as follows: 50, 20c; 100, 40c; 500, \$1.75; 1,000, \$3.00. By parcel post—50, 30c; 100, 50c; 500, \$2.00.

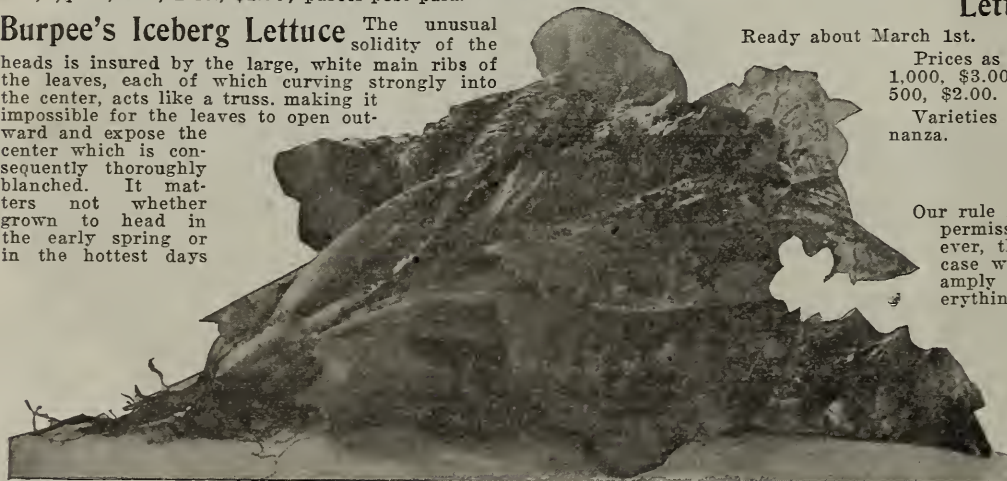
Varieties as follows: Big Boston, Heckle's Bonanza.

Substitutions

Our rule is not to substitute unless we are given permission to do so. We would suggest, however, that customers name a second choice, in case we are out of variety ordered. We are amply provided with large quantities of everything on the list, but may run short on some before the season is over, as the demand for certain articles, is frequently larger than we could anticipate.

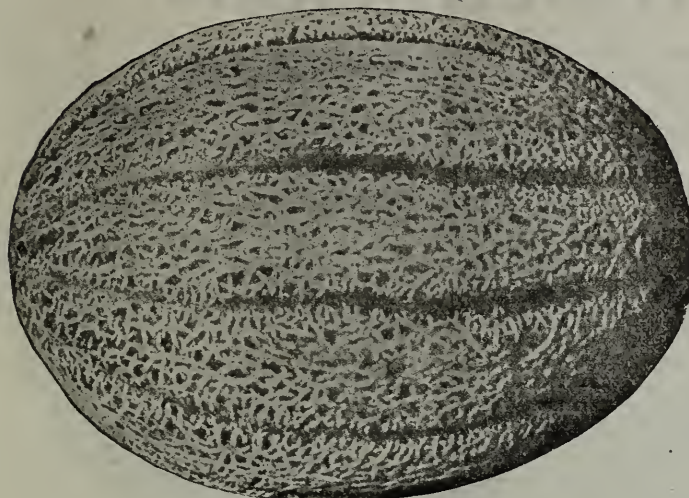
Special Notice

Deduct 10c on pound prices quoted parcel post paid in our catalog if you order goods shipped by express or freight.



BLACK SEEDED SIMPSON

Musk Melon or Cantaloupe



BALTIMORE CANTALOUPE

Plant in hills 5 feet apart in light, rich soil well manured; 10 seeds to hill, thin to 4 plants. Cultivate well. Pinch off ends of vine as they begin to blossom, which will increase the yield. One ounce to 60 hills.

Baltimore One of the best of cantaloupes for main crop. The flesh is thick, of a beautiful deep rich green color, and of excellent flavor. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.75; parcel post paid.

Banana Long, shaped like a banana; has a most delicious flavor. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.50; parcel post paid.

Golden Honey Dew Sweet as honey, keeps for weeks and has all the good points to recommend it as its parent, Honey Dew. Flesh is rich golden-yellow, thick and sweet as sugar. Pkt., 15c; ½ oz., 30c; oz., 50c.

Rocky Ford One of the most popular Just right size for restaurant and hotel service. Flesh is green, thick; lusciously sweet. It is netted and ribbed, and ripens early. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25; parcel post paid.

Pink Meat Rocky Ford This variety is quite similar in appearance to an Eden Gem type of Rocky Ford, being beautifully netted, but the flesh is pink. Its shipping qualities are excellent, quality all that can be desired. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25; parcel post paid.

Emerald Gem The skin is smooth and deep emerald color, the flesh is thick and of delicate salmon tint. The vines bear early and are very prolific. A splendid home garden melon. This is one of the finest varieties and is well named; it is really an emerald among the many varieties which are now cultivated; skin a dark green emerald color and quite smooth and of sweet and delicious flavor. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

Quill Melon Very odd shaped melon, attaining a length of 18 to 21 inches. It has a yellow flesh, blending from bright green to rich salmon. Fragrant, and one of the most delicious melons grown. Your garden should contain this variety, and you will not be disappointed in its selection, as it furnishes you with a supply of melons for an early sort that will be greatly appreciated for home use. Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00; parcel post paid.

Mammoth Rocky Ford The general type of this melon is simi-

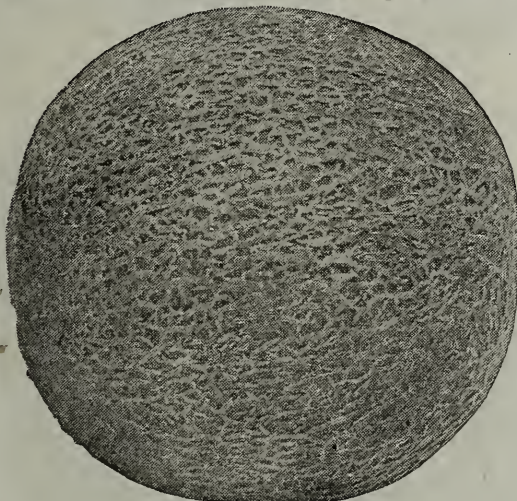
lar to the regular Rocky Ford, but they grow somewhat larger in size, making it a splendid variety for the market. It is a splendid yielding variety and is a favorite of the Rocky Ford family. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.50; parcel post paid.

Prolific Nutmeg An early variety of medium small to small size; nutmeg in shape and thickly netted; very productive and of first class quality. Skin dark green becoming yellow when over-ripe, and nearly covered with broad, shallow netting. The flesh is thick, a little coarse but of fine flavor. It is the size best suited for hotel and restaurant use. Our stock will be found first class in every particular. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25; parcel post paid.

Winter Pineapple, or Casaba If gathered before severe frost and placed in a dry, cool cellar, it will keep for months. A few days before using it should be placed in a warm room to ripen, as it does not ripen on the vine. Flesh almost solid, light green; spicy, melting and delicious. Has a rich, pineapple flavor. A good melon. Pkt., 10c; oz., 25c; ¼ lb., 60c; 1 lb., \$2.00; parcel post paid.

Honey Dew Melon A splendid new variety, rind dull white when ripe. The flesh is a rich green, very sweet and delicious flavor. Its name has been well chosen, as it is about as sweet as honey. The average size is about six inches in diameter and they weigh five to six pounds. The skin is smooth with little netting. It is very melting, fine grained and can be eaten almost to the rind, and the seed cavity is quite small. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.25; parcel post paid.

Tip Top A yellow fleshed variety of large size and splendid quality. Nearly round, deeply ribbed, moderately netted; the flesh is bright salmon, thick, and of good flavor. Very productive and a splendid market sort. This grand muskmelon ought to be planted by every gardener. It always pleases. The testimony of all who use Tip Top is, that every melon produced, whether large or small, early or late, is a good one; sweet, juicy, finest flavor, and eatable to the outside coating. Its appearance on the market is very attractive; sells on sight. Gardeners tell us that their customers soon learn to pick them out and will have no other kind. It is, perhaps, the most productive melon known. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.50.



ROCKY FORD

Cannon Ball Fruit large, slightly oval, slightly ribbed and covered with dense netting. Flesh is green, of medium texture, very thick and sweet. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.50; parcel post paid.

Burpee's Spicy Cantaloupe

This is most distinct both in appearance and peculiarly rich, sugary flavor. The rind is of cream color changing to a grayish yellow as the melons mature. The melons run quite uniform in size, measuring from eight to ten inches in length by six to seven inches in diameter and are always firm. The juicy flesh is of a deep, rich salmon color, frequently two inches thick, entirely stringless and exceptionally luscious in flavor; most tender and practically melting in the mouth. Delicious flavor extends close to the rind. Pkt., 10c; oz., 30c; ¼ lb., 85c; 1 lb., \$2.75.



Mango or Vine Peach

Size, shape and color of an orange, fine for preserving or pickling. Pkt., 10c; oz., 25c, post paid.

CANNON BALL

The Choice Watermelons

One ounce to forty hills; three or four pounds to the acre. Sow in the middle of spring, in hills six to eight feet apart, six to ten seeds, one inch deep, and thin to three best plants. Generally about the middle of April is the proper time to plant melons in this section.

Tom Watson It is not often that any melon will jump from the unknown to the most popular melon grown in a short period of four or five seasons. The Tom Watson is a melon of that type; it is one of the very best shippers of the long melons, and one of the best quality. The melons will grow to a length of about two feet, and about one foot in diameter. The rind is a hard, mottled green, thin, but tough enough to endure shipping to any distant market. Of the long shaped melons it is the best shipper of any. The flesh is deep red and comes very close to the rind. We consider this for quality equal to any of the melons, and it sells readily on the market when there is no demand for others. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 85c; parcel post paid.

Tom Watson Extra This is an extra selected stock of this splendid well-known and popular melon. Seed is saved only from specimen fruit. The seed is then re-selected and made as near uniform as possible. The grower will no doubt appreciate this from the fact that this stock will grow larger and more regular melons than the ordinary strain. We are pleased to offer this special stock this season, as we are sure you will be highly pleased with the results. Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.25; parcel post paid.

Gray Kid Melon An old favorite in this section. Melons grow long with a greenish white rind, flesh brilliant red, crisp and sweet, undoubtedly one of the best for home use. Medium early. Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.25; parcel post paid.

Kleckley's Sweet The best melon grown. Oblong, very large, dark green, faintly striped, very sweet, entirely stringless; very prolific. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 85c; parcel post paid.

Halbert's Honey The melons average eighteen to twenty inches long and are full or bluntly rounded at both ends. The skin is a dark, glossy green. The flesh is a beautiful crimson, the rich coloring and luscious quality extending to the thin rind. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 85c; parcel post paid.

Sugar Stick A large, light green or grayish melon of oblong form, two feet in length and will average 30 lbs., Flesh red, very sweet and tender. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; parcel post paid.

Angel Kiss Flesh is of the deepest indescribable crimson; delightfully sweet and refreshing. It grows from medium to very large, very long in shape and nearly white in color. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 85c; parcel post paid.

Burpees Early Fordhook

This is the earliest large-fruited melon in cultivation, often weighing thirty to forty pounds each; has deep green skin and is an excellent shipper; the flesh is light red, sweet and of splendid quality. This is still without a rival as the earliest melon in cultivation; a

desirable variety for the home garden, as it may be planted in close hills six feet each way. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 85c; parcel post paid.

Black Diamond Immense in size, and grows to average 75 to 90 lbs.; rich, dark green, uniform, round to oval shape; flesh deep red, of fine quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c parcel post paid.

Monte Cristo Unsurpassed for home use or near markets. Very much like Kleckley Sweet in size and color. Flesh very bright, rich red, exceedingly sweet, crisp and tender, never having hollow or pithy center when ripe. Will not stand shipping, the fruit bursting open if subjected to even a slight jar, or when the rind is penetrated with a knife. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 85c.

Golden Honey The flesh is bright, golden yellow, as sweet as sugar. No melon is more delicious in quality. It is medium early, of uniform size, oblong shape and of handsome appearance. The rind is light green, with mottled stripes. This melon has no hard core or stringy sections. The rind is thick and the seeds are

large and white, some a small black tip. For several years our customers have been asking for a yellow fleshed melon and we offer the Golden Honey. Have a few hills in your patch this season. Pkt., 10c; oz., 25c; ¼ lb., 50c; 1 lb., \$1.75; parcel post paid.

ANGEL KISS

Standard Varieties

	Parcel Post Paid	Pkt.	Oz.	¼ lb.	1 lb.
Bradford	-----	\$0.05	\$0.10	\$0.25	\$0.75
Florida Favorite	-----	.05	.10	.25	.75
Georgia Rattlesnake	----	.05	.10	.25	.75
Harris Earliest	-----	.05	.10	.30	.85
Jackson	-----	.05	.10	.25	.75
Kolb Gem	-----	.05	.10	.25	.75
Liberty, or Irish Gray	--	.05	.15	.35	1.00
Light Icing	-----	.05	.10	.25	.75
Mountain Sweet	-----	.05	.10	.25	.75
Red Seeded Citron	----	.10	.20	.40	1.25
Sweetheart	-----	.05	.10	.25	.75
Temple Gray	-----	.05	.10	.25	.75

TOM WATSON

Mustard

The fresh leaves are used largely as a salad or for boiling "greens" in the southern states during the fall and winter months. Sow in drills and make succession plantings.

Sow from February to April or September and October, broadcast or in drills, 6 inches apart. Cut when about 3 inches high. One ounce seed to 80 feet drilled; 6 pounds to acre broadcast.

Chinese Mammoth

Not curled as the Southern Giant; leaves are very broad and smooth. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c, parcel post paid.

Elephant Ear Each plant produces numerous extra-large leaves of good substance and of most appetizing pungency. When they are grown in rich soil, the leaves attain eighteen inches to two feet in length; they are of a light green color, with large white ribs or leaf-stalks. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 75c; parcel post paid.

Fordhook Fancy The handsomest of the mustards. Rich, dark green leaves of excellent quality. Vigorous habit and withstands summer heat. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 70c; parcel post paid.

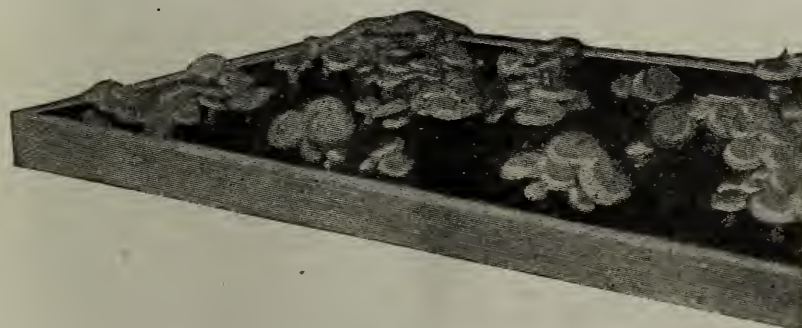
Southern Giant Curled Leaves are large, light green with yellowish tinge, much crimped and frilled at the edges. Very succulent, pungent and of sweet flavor. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 55c; parcel post paid.

Ostrich Plume This variety stands the summer heat finely. Is considered the most beautiful of all mustards. Leaves are long, ruffled and curled as graceful as the ostrich plume. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 70c.

Mushroom Spawn

Lambert's Pure Culture

Mushrooms can be grown in cellars, in sheds, in hotbeds, or sometimes in open air. Fermenting horse manure at a temperature of about 70 degrees, mixed with equal weight of fresh sod loam, is made into beds the size required, 8 inches deep. In this bed plant the broken pieces of spawn, 6 inches apart, covering the whole with 2 inches of light soil, and protect from cold and rain. The mushrooms will appear in about 6 weeks. Water sparingly with lukewarm water. Per brick, 50c; 5 bricks, \$2.00; parcel post paid. By freight—per brick, 40c; 5 bricks, \$1.75.



LAMBERT'S PURE CULTURE MUSHROOMS

Okra or Gumbo

One Ounce Will Plant 100 Hills

This plant is extensively cultivated for its green pods, which are used in soups and stews, and are very wholesome and nutritious. Sow about the first of May, in drills three feet apart, and thin out the plants to one foot apart. Soak seed in water 12 hours—they germinate easier.

White Velvet This Okra takes its name from the smoothness of its pods, which are round, differing in this respect from the old sort. Very productive, producing round, smooth white pods.

Dwarf Green Very early; pods green and tender; comparatively short. A distinct early variety.

Tall, or Long Green Long ribbed pods; very productive, and of good quality. An old time favorite.

Kleckley's Favorite The plants grow to three feet in height, two and a half close-jointed, with ample foliage, and bear smooth white pods of the very finest quality at each leaf joint. The pods average six inches in length by one and a quarter inches in diameter at the bottom; they are exceptionally tender and fleshy.

Price any of the 4 varieties of Okra: Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 80c; parcel post paid.

Onion Sets

Prices are subject to market fluctuations. When you want large quantities as for market prices. Thirty-two lbs. constitute a bushel.

Plant 4 to 6 inches apart in 12 to 24-inch rows (except Potato Onions, which should be in 2-foot rows). Plant in spring or fall in fine rich soil, well manured.

Red Wethersfield Qt., 25c; gal., 70c; peck, \$1.15; parcel post paid.

White Silver Skin Qt., 30c; gal., 80c; peck, \$1.25; parcel post paid.

White Multiplier Qt., 40c; gal., \$1.25; peck, \$2.00; parcel post paid.

Yellow Danvers

Qt., 25c; gal., 70c; peck, \$1.15; parcel post paid.

Yellow Potato

Qt., 40c; gal., \$1.25; peck, \$2.00; parcel post paid.

PRICES ON ONION SETS BY THE BUSHEL. Account catalog going to press before spring market has been established, we are unable to quote onion sets by the bushel on this page. For current prices see Special Green Ink Price Sheet enclosed.

CALENDARS FREE

When you order any goods, if you request it, we will be pleased to mail you one of our "Year at a glance calendars."

Choice Onion Seed



LARGE RED WETHERFIELD

Sow in January or February in hotbeds or later in the open. Transplant to 12-inch rows, 5 inches apart, in very rich soil and cultivate well. Sow six pounds seed to the acre. For sets sow 60 to 80 pounds to acre in broad rows. Dig and dry when tops die.

Large Red Wethersfield It is medium early; skin is purplish red; flesh purplish white; a general favorite. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00; parcel post paid.

Large Red Globe Grows to good size, rich red color with small neck; a fine keeper. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.

Prize Taker Very large and solid; skin rich yellow; flesh pure white, sweet, mild, tender. Pkt., 5c; oz., 20c; ¼ lb., 70c; 1 lb., \$2.25; parcel post paid.

Southport White Globe Has handsome,



HOLLOW CROWN
PARSNIPS

globe-shaped bulbs; the flesh is firm, fine grained and of mild flavor; keeps well. Pkt., 5c; oz., 25c; ¼ lb., 90c; 1 lb., \$3.00; parcel post paid.

White Silver Skin Pure white; mild flavor; best for growing sets. Pkt., 5c; oz., 20c; ¼ lb., 75c; 1 lb., \$2.75; parcel post paid.

Yellow Globe Danvers Globe shaped; large; keeps well; a standard for main crop. Pkt., 5c; oz., 20c; ¼ lb., 55c; 1 lb., \$1.75; parcel post paid.

Parsley

Culture. Soak the seed in warm water for several hours, and sow in border or frame; thin the row or transplant to another bed. If to be carried late into the fall, set eight inches apart both ways, and cover with litter. It will go through the winter with moderate protection. Use one ounce of seed to 150 feet of drill. Make open ground sowing in April.

Double Curled Compact, very curly and finely cut; bright green color. This is a most popular variety for southern markets and is planted extensively, as it always finds a ready market.

Plain, or Single Leaves are flat, deeply cut, and dark green. Plain leaves, excellent flavor, very extensively grown for bunching into soup bunches; an excellent sort.

Champion Moss Curled More densely crimped and curled than some other sorts.

The best and most improved strain. It is beautifully curled and crimped, and is the best for garnishing and flavoring. If cut when about 3 inches in height, it starts a new growth that will be better curled and a much brighter color.

Price, any of the above varieties: Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Parsnips

Culture: Sow as early in the spring as the ground can be worked, in drills 18 inches apart. Only rich soil should be used and the ground should be thoroughly and deeply cultivated before sowing seed. Thin to 6 or 8 inches apart in the rows. Hoe and cultivate frequently to keep the weeds down.

Long Smooth Roots very long, sugary and of most excellent flavor; a very hardy sort.

Sugar, or Hollow Crown The best for table use; a vegetable of merit, easily raised and of great productiveness.

Price, either variety: Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Pumpkins

CULTURE: The Pumpkin under good care bears abundantly, and furnishes a great amount of palatable food for cows, pigs, etc. Several of the fine flesh varieties are also used for culinary purposes. They may be grown as a field crop. Plant in hills 8 feet apart each way, and any time after the first of May. Avoid planting near other vine crops, as they will hybridize and damage that crop. One oz. will plant about 25 hills, 4 lbs. to the acre.

Connecticut Field A large yellow variety, hard shell, excellent for field culture. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; parcel post paid.

Cushaw Very productive, good for table and stock feeding. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.25; parcel post paid.

Japanese Pie The flesh is very thick and nearly solid; seed cavity very small in one end of the pumpkin; fine grained, dry and sweet. Pkt., 5c; oz., 20c; ¼ lb., 40c; 1 lb., \$1.35; parcel post paid.

Kentucky Yellow Field A large variety of good quality. Pkt., 5c; oz., 10c; ¼ lb., 15c; 1 lb., 40c; parcel post paid.

King of the Mammoth Of extraordinary large size; good for growing for prizes; skin is orange colored, with bright yellow flesh; fine quality. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.50; parcel post paid.

Sugar or Pie Deeply ribbed; outer color of skin dark green; almost black; one of the best keepers, highly prized. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25.

Tennessee Sweet Potato Of medium size, creamy white; light green stripes, fine grained flesh. Pkt. 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25, - parcel post paid.

KENTUCKY
YELLOW FIELD



Best Varieties of Garden Peas

Culture: The pea is hardy and endures cold well, either in or above the ground. It is best to sow the earliest varieties as soon as possible (February), in warm, light soil, prepared the previous autumn or winter. The main crop may be sown about two weeks later and on somewhat heavier soil. Sow Peas in drills about 2 to 3 inches deep; in rows 2½ to 3½ feet apart. In garden culture sow in double rows 10 inches apart. One quart will sow 100 feet of drill. Avoid fresh manure or very rich soil or too rank vine growth will result. All wrinkled varieties are marked.* These should not be planted until March.

Laxtonian The best of all dwarf Peas. Produces enormous pods, 8 or 10 Peas to the pod; finest quality. No variety of recent introduction has so many good points to recommend it. *Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid: ½ pt., 15c; pt., 30c; qt., 50c.

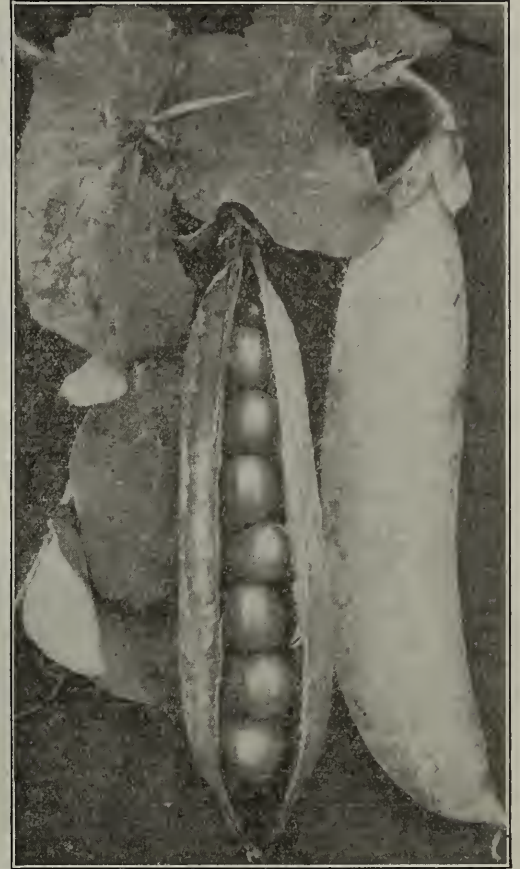
Alaska The earliest of all the extra early sorts; vines about 2 feet in height. The pod is about 3 inches long, well filled with uniformly round peas. Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 55c; parcel post paid. Not prepaid: ½ pt., 15c; pt., 25c; qt., 45c.

Ameer A new and valuable strain of the popular Alaska Pea, the distinctive superiority being that it makes much larger pods and is more prolific. The vines grow 24 inches. Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 50c; parcel post paid. Not prepaid: ½ pt., 15c; pt., 25c; qt., 40c.

Gradus, or Prosperity Ripens early; vines about 3 feet high; bears profusely. The pods are almost as large as those of Telephone, and filled with Peas of the finest quality, sweet and tender. *Pkt., 10c; ½ pt., 25c; pt., 35c; qt., 60c; parcel post paid. Not prepaid: ½ pt., 20c; pt., 30c; qt., 50c.

Thomas Laxton Very early; has become one of the popular early market sorts. Pods are large, deep rich green, filled from end to end with plump Peas. Vines hardy and grow from 3 to 3½ feet high. *Pkt., 10c; ½ pt., 25c; pt., 35c; qt., 60c; parcel post paid. Not prepaid: ½ pt., 20c; pt., 30c; qt., 50c.

Alderman Excellent commercial sort; pods large, well filled, containing 6 or 7 large Peas of delicious flavor. One of the best sellers in any mar-



TELEPHONE PEA

ket. Quality excellent. Pkt., 10c; ½ pt., 25c; pt., 35c; qt., 60c; parcel post paid. Not prepaid: ½ pt., 20c; pt., 30c; qt., 50c.

Telephone This has become the leading pea with market gardeners whose trade appreciates fine appearance and high quality. The vines are tall and vigorous, growing about four feet high, with large, coarse, light colored leaves and producing an abundance of pointed pods of largest size, often four and one-half to five inches long, attractive bright green, filled with very large peas which are tender, sweet and of excellent flavor. *Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 60c; parcel post paid. Not prepaid: ½ pt., 20c; pt., 30c; qt., 50c.



LAXTONIAN

size, often four and one-half to five inches long, attractive bright green, filled with very large peas which are tender, sweet and of excellent flavor. *Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 60c; parcel post paid. Not prepaid: ½ pt., 20c; pt., 30c; qt., 50c.

Saxonia Extra early pods, 3 to 4 inches in length, filled with large and tender peas. Seed smooth, therefore admits very early planting. Saxonia is one of the dwarf extra early varieties. Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 60c; parcel post paid. Not prepaid: ½ pt., 20c; pt., 35c; qt., 50c.

PRICES ON ALL GARDEN PEAS BY PECK AND BUSHEL ARE QUOTED ON SPECIAL GREEN INK PRICE SHEET ENCLOSED.

Popular Garden Peas

	Parcel Post Paid			
*American Wonder (early) height 12 inches	10c	20c	35c	60c
*Champion of England (late) height 48 inches	10c	20c	35c	60c
First and Best (early) height 30 inches	10c	20c	30c	50c
Heckle's Market Master (early) height 30 inches	10c	20c	30c	50c
Mam. Melting Sugar (late) height 48 inches	10c	25c	45c	85c
McLean's Little Gem (early) height 15 inches	10c	25c	35c	60c
Bliss Everbearing (medium) height 18 inches	10c	20c	30c	55c
Large White Marrowfat (late) height 60 inches	10c	15c	25c	45c

Not prepaid, deduct 5c from Pint and 10c from Quart Prices



AMEER, A NEW VARIETY

Your address should be written plainly, and you should give Town, County and State; also state whether you wish goods shipped by express or freight, giving companies preferred.

Peppers

Culture: One ounce will produce about 1,000 plants. For early plants, sow in hotbeds the latter part of January, and transplant to open after all danger of frost is over, in rows 3 feet apart, 15 to 18 inches apart in the rows. Cultivate well. Do not sow hot varieties near mild ones, as they mix very easily.

Bell, or Bull Nose A large early sort, of mild flavor. Plant is vigorous and compact, ripening the fruit uniformly. Fruits are large, with thick, mild flesh of excellent quality.

Chinese Giant Very large size, often measuring 6 inches in diameter. The plant is very dwarf, but vigorous, and a fair yielder, but late maturing. Fruit is brilliantly colored, mild and sweet.

Ruby Giant A variety that grows so large that it is a curiosity. The quality is excellent, has thick meat, which is sweet and tender. The bush is large and strong, carries its great crop without trouble. The fruit and the plant is larger than any other variety; is early and prolific, vigorous and persistent in growth.

Royal King A new variety of extra large size. Rich, glossy green turning to brilliant crimson when ripe. Flavor is sweet and mild, and because of size and quality it makes a splendid Pepper for slaws, for stuffing and baking, or for pickling.

Worldbeater Said to be a cross between Ruby Giant and Chinese Giant. Grows to a large size, flesh is thick, firm and exceedingly mild. Plant vigorous, robust and exceedingly prolific.

We can supply the following standard varieties: CRIMSON GIANT, LONG RED, RUBY KING, PIMENTO, GOLDEN DAWN, BIRD'S EYE, or CREOLE, RED CHILL, TOBACCO, MIXED VARIETIES.

Price, any of the above 14 varieties of Pepper, uniform as follows: Pkt., 5c; oz., 50c; ¼ lb., \$1.50; parcel post paid.

Pepper Plants

Ready about April 20th.

Prices as follows: Doz., 25c; 100, \$1.00; 500, \$4.50. By parcel post: Doz., 35c; 100, \$1.50.

Varieties: Chinese Giant, Bell or Bull Nose, Pimento, Cayenne.

Seed Sweet Potatoes

Culture: Sweet Potatoes should be started in a hotbed. When the ground is warm and the danger of frost is past the shoots are carefully lifted and planted in rows 3 feet apart and 18 inches in the row. They need considerable care till well started, but after getting a good start will grow easily. They should be cultivated quite often, moving the vines to prevent from rooting at the joints. They must be harvested before frost. One bushel makes 2,000 to 3,000 plants.

All quotations here given, are packed F. O. B. Memphis. Purchaser must pay carrying charges. Prices sub-

WORLD
BEATER

ROYAL KING PEPPERS



ject to market changes, and sold at the rate of 45 pounds to the bushel.

Bunch Yellow Yam Finest quality yellow skin and flesh. Vine of bushy habit. Price, peck, 75c; by express only.

Nancy Hall Skin yellow; meat, which is clear, amber color, is sweet as honey. Price, peck, 75c; express only.

Porto Rico Yam This is a new Sweet Potato and a good one. The skin is golden color, with a slight pinkish tinge. Meat deep orange yellow, soft and sweet; tubers long and smooth; a very desirable shape. Price, peck, 85c; by express only.

Sweet Potato Plants

Our Sweet Potato Plants or slips have been sold for many years in all parts of the country, with unvarying success, and we use unusual care in the packing of these plants in order that they may carry the longest distances. The roots are carefully wrapped in damp moss. We have hundreds of letters telling us that our sweet potato plants are the best that our customers ever bought.

We can furnish the following varieties, plants ready April 15th. They are put up in bunches of 100 each. We do not break the bunches.

Bunch Yellow Yam.
Gold Coin Bunch Yam.
Nancy Hall.
Florida Yam.

Early Triumph.
Porto Rico Yam.
Yellow Yam.
Dooley Yam.

Price, any variety by parcel post: 100, 60c; 500, \$2.00; 1,000, \$3.60; 5,000, \$17.00. Price, any variety, by express, at buyer's expense: 100, 40c; 500, \$1.75; 1,000, \$3.25; 5,000, \$15.00.

Prices: Account catalog going to press before market has been established on potatoes, we are unable to quote quantity prices on this page. For current prices, see Special Green Ink Price Sheet enclosed.

Our Special Discount

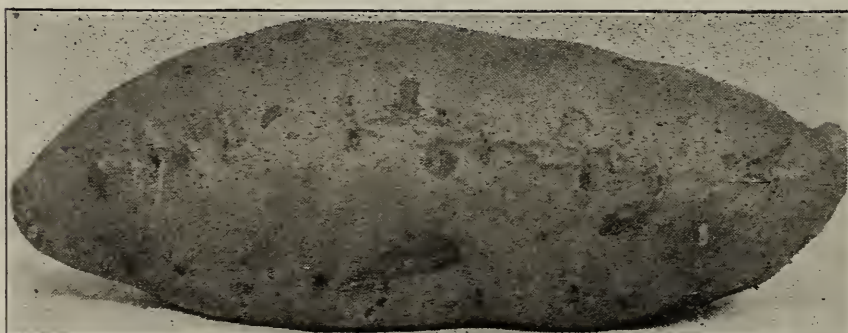
On all cash orders for garden and flower seeds only, at our catalog prices, we will allow the following special discounts:

For \$1.00—Select seed in packets, 1 oz., ¼ lb., 1 lb., ½ pt., 1 pt., 1 qt., to the value of \$1.15.

For \$2.00—Select seed in packets, 1 oz., ¼ lb., 1 lb., ½ pt., 1 pt., 1 qt., to the value of \$2.40.

For \$3.00—Select seed in packets, 1 oz., ¼ lb., 1 lb., ½ pt., 1 pt., 1 qt., to the value of \$3.60.

These special discounts apply only to garden and flower seeds in the size packets as stated. They do not apply to any Plants, Fruit Trees, Farm Seeds, Onion Sets, Fertilizers or Poultry Supplies. Our prices are reasonable, our discounts liberal, our seeds the best. Send us your orders. We will treat you right.



NANCY HALL SWEET POTATO

Northern Grown Potatoes



IRISH COBBLER

All well-posted growers and authorities on potatoes recognize the necessity of changing the seed often, especially when new stock can be had at such a small additional expense. Our potatoes are especially grown for seed purposes. You run no risk in buying them with the full confidence that they are the best obtainable.

Will mature in 70 to 90 days, according to the variety. Cut two eyes, drop them every 15 inches and make rows 3 feet apart; cover eyes 2 inches; plant in February, March and April for early crops.

Use plenty of well rotted manure with either Armour's Truck Guano or Cotton Seed Meal; this should be put down in the furrow and then throw a little dirt on the top of it. Do not let the potatoes come in contact with the fertilizer, as they will be very liable to rot. Keep well cultivated. One peck will plant 125 feet of row; 7 to 10 bushels will plant an acre, depending on the size of the seed.

On account of market fluctuations we are unable to name exact prices. Will be pleased to have you write during the month of February or later; will then quote prices for prompt or future shipment. All prices quoted are F. O. B. Memphis, excepting where quoted parcel post paid.

Bliss Early Red Triumph Extremely prolific and extra early the color a beautiful light red; medium size. Growth very uniform, nearly round. Flesh white; mealy when cooked. This potato is in exceedingly high favor on account of its earliness and productiveness. Eyes slightly depressed, skin smooth. Its beauty, quality, extreme earliness and great productiveness make it very profitable. Price, Northern Red Triumphs, peck \$1.00, by express only. Tennessee 2nd Crop Red Triumphs, peck, \$1.50, by express only.

Irish Cobbler Maine Grown This is a most excellent variety for both Northern and Southern planting. A large potato, round and is slightly flattened; flesh white and cooks dry and floury. An excellent variety for both early and late planting. A good keeper, heavy yielder and possibly the most popular of all early and late varieties. Selected stock. Price, Northern Grown Irish Cobblers, peck, \$1.00, by express only. Tennessee 2nd Crop Irish Cobblers, peck, \$1.50, by express only.

Early Six Weeks A very early potato, especially recommended for early market and family use. A very large

yielding variety, smooth skin, slightly blushed, shallow eyes and of good appearance; good quality; cooks mealy and white. 1 peck, \$1.50.

Early Ohio A standard early potato and a good one. Does well in all soils; is very early, oval in shape, has pink skin and shallow eyes. It is a splendid keeper and is very largely planted in the South for shipping to Northern markets. Some early varieties will yield edible potatoes about as soon as the Early Ohio, but their tops will be green for days after the Early Ohio have fully ripened. The Early Ohio is fully two weeks ahead of the Early Rose, and is a general favorite with potato growers and marketmen alike and is the most profitable potato than can possibly grow. Maturing early, it brings the highest prices, and the land can be used for another crop after it; the tubers grow compact in the hill, are easily dug, with very few small ones; nearly every potato is of marketable size; has few eyes, which are even with the surface. With heavy manuring, close planting and good culture, a very large and profitable crop can be expected—300 to 500 bushels per acre is not an unusual yield. We are confident that many growers do not really know a true Early Ohio, and have been growing some other sort for it. Price, Northern grown stock, peck, \$1.00; by express only.

Burbank A late main crop variety of fine quality. It is an oblong potato; grows to good size and is a good yielder. Good for heavy soils. Northern grown. Price, peck, 75c; by express only.

Early Rose This old-time variety is still very popular. It is a long potato and pink in color at the bud end. Grows to a good size, yields well and is of fine quality. Northern Grown Seed. Price, peck, 75c; by express only.

For Fall Planting

Lookout Mountain A large, handsome, oval, white potato. Medium late. One of the finest eating potatoes known to the trade. Shallow eyed, fine texture; well flavored, and a most prolific yielder. It is not susceptible to diseases, and is fast becoming the standard white potato for late planting in this country. They are just a little bit later for first crop in maturing than Cobblers and for second crop planting should be planted about ten days or two weeks earlier than other varieties. This, however, only applies to second crop planting. We believe this potato is going to fill the place of the Bliss Triumph potatoes in the South. We book orders now for June shipment. Ask price.



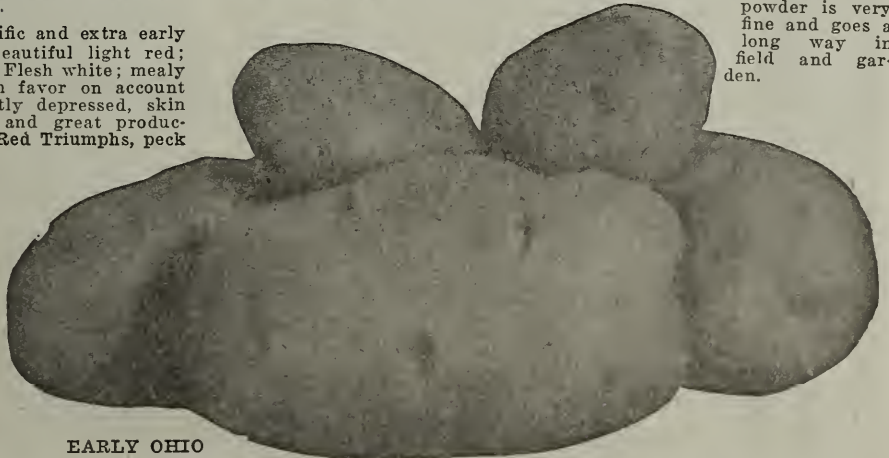
BLISS EARLY RED TRIUMPH

Cold Storage Potatoes

We will have Lookout Mountain, Red Triumph and Irish Cobbler Seed Potatoes in cold storage for late planting, in July and August. Write for prices in June and July.

MARKET GARDENERS, or other large planters, requiring larger quantities of seeds than are here offered, are invited to write us for Special Prices, and must be sure to name **VARIETIES** and **QUANTITIES** they will want.

HOW TO DESTROY CABBAGE WORMS—Slug Shot can be used lightly or heavily, and the Cabbage suffers no harm. The Cabbage forms its head by interior growth; it throws off its earlier and outside leaves, and no dust can enfold within its head. Apply Slug Shot with a duster, sifting it over the plants or full-grown Cabbages. The powder is very fine and goes a long way in field and garden.



EARLY OHIO

Choice Radishes

To be tender and crisp, radishes must be grown quickly, and this requires rich soil and moisture. Begin as early as possible in the spring and sow at intervals of about ten days in a light, rich, deeply worked soil. Can also be forced in hotbeds. For fall and winter sow in August and September. One ounce sows fifty feet.

Early Scarlet Globe A very distinct shape, brilliant red color, short leaved, crisp and white, of excellent flavor; a fine variety for forcing. This variety of Radish is highly recommended to the market growers on account of its uniform size, shape and beautiful color. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 85c; parcel post paid.

Cooper's Sparkler This radish is an improved type of the Scarlet Turnip White Tip and is superior to the original. The top half is beautiful scarlet, the bottom half clear white. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 90c; parcel post paid.

Crimson Globe A large globe-shaped variety. Handsome deep scarlet; thin skin; solid white flesh of best quality. Attains a large size without becoming pithy or losing its crispness. An excellent variety. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., \$1.00; parcel post paid.

Early Scarlet Turnip A very early, small, round Radish; entire Radish is of a rich scarlet color. This splendid variety has always been a great favorite with market gardeners and for kitchen garden alike. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 80c; parcel post paid.

Early Scarlet Turnip White Tip

Market gardeners' favorite Radish for outdoor planting. A very desirable one for the home garden. It is an early maturing variety, only a little later than the forcing strain. Turnip-shaped; handsome scarlet in color, with a distinct white tip. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 85c.

Early White Turnip

Both skin and flesh of pure white; it does not become pithy. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 90c; parcel post paid.

Early French Breakfast

A very popular French variety of very rapid growth, and one of the best varieties for early forcing; its form is oval; color scarlet, tipped with white, and small in size. It is also a beautiful variety for garnishing purposes. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 90c; parcel post paid.

Early Long Scarlet Short Top

Early, very short top, splendid shape and color, fine keeper; good for market. Pkt., 5c; oz., 15c; ¼ lb., 25c; 1 lb., 75c; parcel post paid.

Icicle Long, slender, pure white, the earliest and finest long, white Radish. It is ready for use fully as early as the Long Scarlet Short Top, with less foliage; most desirable for forcing. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 80c; parcel post paid.

Chartier Improved Shape long, but thicker than the Long Scarlet; color bright scarlet at top, shading to white at the bottom; is of remarkably fine quality, keeping crisp, sweet and tender until it is an inch or more in diameter. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00 parcel post paid.

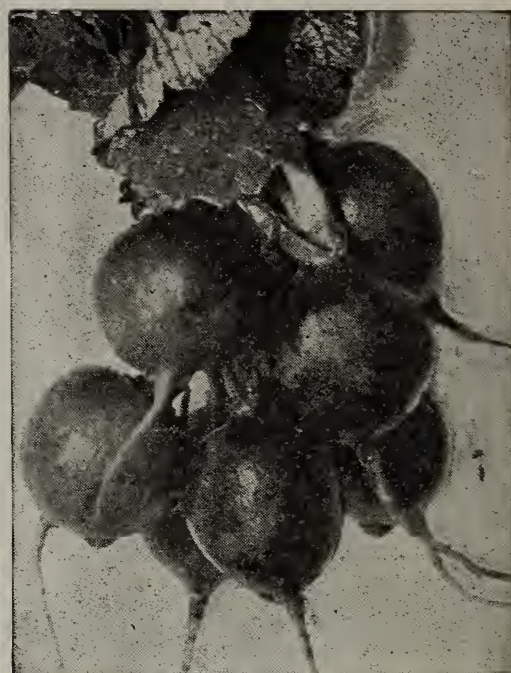
China Rose Winter One of the very best for fall and winter use, bright rose color, flesh white and firm, superior quality. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 85c; parcel post paid.

Long Black Spanish Winter

Like the above, but the roots are longer and somewhat milder in flavor. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 90c; parcel post paid.

Round Black Spanish Winter

This is a large, black-skinned radish, flesh white and firm;



EARLY SCARLET TURNIP

a good keeper. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 90c; parcel post paid.

Scarlet-Button-Radish

Bright red, crisp, tender and mild. Makes radish in 16 to 18 days. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25; parcel post paid.

Rhubarb or Pie Plant

CULTURE—In March, sow in drills in a shady, moist situation, and when a few inches high, thin out to 12 inches. The following Fall, transplant to a deep, well-manured soil, 4 feet apart, and protect with manure or leaves. It may be more quickly grown by setting out the roots either in the Spring or Fall, covering the crowns every Fall with coarse manure. To obtain the best results, the flower-stems should be broken off when they appear, as the plant is weakened by permitting it to seed.

Linnaeus Rather early and yielding large crops of large leaves. Best variety for the South, where it is grown extensively for home use and the market. This is a good sort and we recommend it highly. Plant some in your garden and have some for spring use. A most luscious variety. Pkt., 5c; oz., 25c; postpaid.

Rhubarb Roots

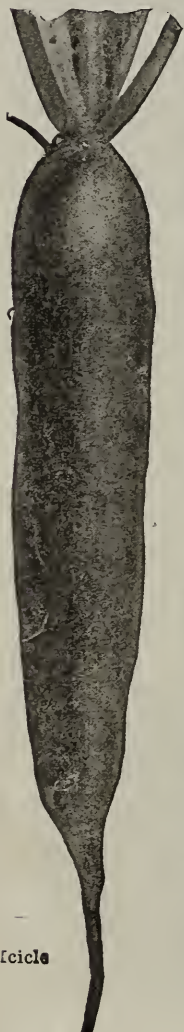
Each, 25c; 5 for \$1.00; 12 for \$1.80, parcel post paid. By express, 1-yr., each, 15c; 12, \$1.50

SPECIAL NOTICE

Deduct 10c on pound prices quoted postpaid in our catalog if you order goods shipped by express or freight.



LINNAEUS RHUBARB, OR PIE PLANT



ICICLE

Spinach

One ounce to 60 feet of drill; 8 to 10 pounds to the acre. For an early summer crop sow early in the spring, in drills 1 foot apart, and thin out to 2 inches in the row. For winter and early spring crop sow either broadcast or in drills about the first of September or later.

Bloomsdale Curled Savoy A most valuable variety. In appearance the leaf is wrinkled in the same way as that of the Savoy Cabbage, hence the name. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; parcel post paid. Not prepaid: 1 lb., 40c; 5 lbs., \$1.75; 25 lbs., \$7.50.

Long Standing An improved strain of excellent merit, having all the good qualities of the ordinary sorts; but is especially desirable because of the fact that it is much later in going to seed than the average variety. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; parcel post paid.

New Zealand This is a plant of a different genus; entirely distinct from the common Spinach. It grows 4 to 5 feet high, thrives during the hot weather; can be cut nearly all Summer. New leaves will grow where others are cut off if you preserve the main shoot, and will continue in long bearing, surviving pretty heavy frost. May be sown early in April; plants should be about 20 inches apart. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25, postpaid.

Salsify--Oyster Plant

CULTURE—One ounce is sufficient for 75 feet of drill; 5 to 6 lbs. to acre. Plant usually latter part of March, in rows from 2 to 2½ feet apart, thinning later to about 4 inches in the row. Does best in very rich soil.

Mammoth Sandwich Island Large and strong growing, with smooth, white, tapering roots of delicate but distinct flavor. Prices, pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.75; parcel post paid.

Sorrel

Valuable for its acid properties; mixed with salads, it imparts an agreeable and refreshing flavor. Sow in shallow drills 12 inches apart, and thin out the young plants to 6 inches.

Large Leaved French Pkt., 10c; 1 oz., 25c; ¼ lb., 75c; parcel post paid.



MAMMOTH WHITE BUSH



BLOOMSDALE CURLED SAVOY

Squash

CULTURE—After danger of frost is past, plant in a warm, well pulverized, rich soil, mixing well rotted manure with the soil in each hill. Plant 8 or 10 seeds to the hill; the bush varieties 4 to 6 feet apart, the running sorts 8 to 10 feet.

Early White Bush The well-known White Scalloped or Patty Pan Squash. Early, very productive, of light cream color. Popular for Northern shipments for both fall and spring crops. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Mammoth White Bush Is nearly double the size of Early White Bush; very uniform in size, prolific and fine quality; grows to 12 inches in diameter. For home garden or shipping. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Golden Summer Crookneck Matures in 44 days. One of the best Summer bush sorts, of a bright yellow color, very warted, early, prolific, and of fine flavor. Pkt., 5c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.40; parcel post paid.

Giant Summer Crookneck Bright golden skin; best quality; 18 to 24 inches long; commands extra price in market. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

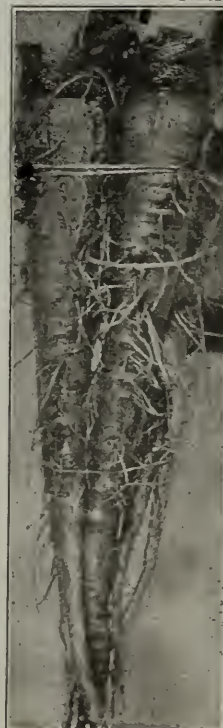
Vegetable or Italian Marrow The very earliest of all the Squashes. Although usually eaten when quite small it is good for table when full grown. Color dark green, changing to a lighter green at maturity. Price, pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00.

Boston Marrow Popular for autumn and winter use; color bright orange; flesh yellow, rich and sweet. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.75; parcel post paid.

Hubbard Standard winter squash; no better. Flesh fine grained, dry and of excellent flavor. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.75; parcel post paid.

Swiss Chard or Silver Beet

Used for greens only. Until recently but little used in this country, but for the last few years has rapidly increased in favor. Much superior to other beets for greens. Of very rank growth; plants should be thinned to about one foot apart. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.



SALSIFY

Our Choice of Tomatoes

Culture: The seed should be sown in March in a hotbed or greenhouse, or may be sown in a box and kept inside the window of a room where the night temperature is not less than 65 degrees. The plants should be thinned out in the bed so as to give them plenty of room or they will be weak and poor. About the middle of May the plants may be set in the open ground from 4 to 5 feet apart each way. One ounce produces about 1,500 plants.

To prevent rot and blight on tomato plants spray with Bordeaux mixture when first fruits have set.

Don't set your plants out too soon. Plants put out the first part of June do better than early setting.

Earliana One of the earliest varieties; bright red and smooth; very productive. Pkt., 5c; oz., 35c; ¼ lb., 90c; 1 lb., \$3.25; parcel post paid.

Chalk's Early Jewel Ten days later than Earliana. Large, solid fruits; roundish; bright red; excellent quality; splendid for home use or market; retains its deep red color when canned. Pkt., 5c; oz., 35c; ¼ lb., 90c; 1 lb., \$3.25; parcel post paid.

Livingston's Globe A desirable new variety; large, roundish fruits, excellent for slicing. Flesh firm, with few seeds; ripens evenly; has a delicate, agreeable flavor, vines very productive. Pkt., 5c; oz., 50c; ¼ lb., \$1.00; 1 lb., \$3.50; parcel post paid.

Early Acme Medium in size, round, smooth, solid and prolific. Purplish pink in color. Stands shipment very well; also splendid for home use. It is one of the best sorts you can plant during the summer months. Pkt., 5c; oz., 35c; ¼ lb., 85c; 1 lb., \$2.75; parcel post paid.

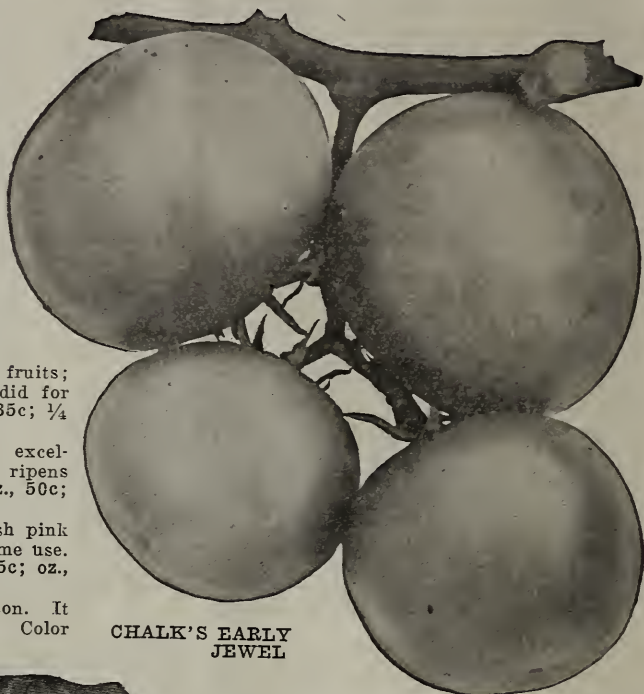
Beefsteak This valuable new Tomato was introduced by Peter Henderson. It is of remarkable size, frequently weighing a pound or more. Color brightest crimson scarlet; very solid, with few seeds, and ripens evenly to the stem. Very productive and early, considering its size. Pkt., 5c; oz., 50c; ¼ lb., \$1.25; 1 lb., \$4.50; parcel post paid.

Burpee's "Dwarf Giant" The tomato to that won't blight; it is much the largest fruited of all dwarf tomatoes. The color is a rich purple crimson and the depth of color is maintained throughout the season. Pkt., 5c; oz., 50c; ¼ lb., \$1.25; 1 lb., \$4.00; parcel post paid.

Beauty Vines large, vigorous and heavy bearers; fruit large, uniform in size, very smooth, and excellent flavor; color purplish pink. Pkt., 5c; oz., 35c; ¼ lb., 85c; 1 lb., \$2.75; parcel post paid.

Early Detroit The largest and best of the early purplish tomatoes. Largely grown throughout the South. Fruits very smooth, nearly globe-shaped, firm and of excellent quality. Pkt., 5c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.50; parcel post paid.

Russell Heckle's Excelsior This is the one Tomato that should be placed in every Southern garden. Because, it will give better satisfaction, surer results than any variety you can plant. We offer you the Genuine Pedigree Select Seed from the original grower, who is one of the greatest tomato experts in these great United States of America. We can guarantee that you will be better pleased with this tomato than any you have ever planted. Our new strain of this famous Tomato is superb. It is of a dark glossy purplish red, very large and very solid. The plants make a strong growth, are hardy and bear plentifully. The fruit is produced in clusters of



CHALK'S EARLY JEWEL



EARLY DETROIT

four to six, large and of perfect shape, and retain this size until late in the season. Ripening early, with flesh of the most excellent quality, and with seed cells very small, it is the ideal Tomato. Russell Heckle's Excelsior is perfectly proportioned, in size, color, flavor, yield. Its health and vigor during late cold spring and during scorching hot dry summer days, followed by scalding rain, is wonderful. The only way that you will ever fully realize its wonderful combination of the points that produce perfection, and the greatest profit, is to grow the Excelsior this year. It is generally uniform in shape, early, of large size, solid, firm flesh, fruit of delicious flavor, deep red color, almost a reddish purple, having very few seeds. Fruit ripens evenly to the stem; the vine is highly productive. Freer from blight than all other varieties of Tomatoes. We are satisfied that it is better adapted to our climate than all others. Pkt., 10c; oz., 60c; ¼ lb., \$1.50; 1 lb., \$5.00; postpaid.

Red Rock Matures in 100 days. A second early. Fruit large, bright crimson; smooth, solid, of excellent flavor. Bears shipping to long distances well, and is much planted for this purpose. Pkt., 5c; oz., 35c; ¼ lb., 90c; 1 lb., \$3.25; parcel post paid.

Red Trophy An old favorite; large, red, solid fruit. Pkt., 5c; oz., 35c; ¼ lb., 90c; 1 lb., \$3.00; parcel post paid.

A Square Deal

A SQUARE DEAL is positively given every customer who purchases his seed from us, and on account of changing prices that are prevailing we will undertake to protect our customers by giving them every advantage possible.

ERRORS — Human help is not infallible, and mails will miscarry, but please remember this, that the complete satisfaction of our customers is our first wish and we are glad to rectify errors, and an opportunity to make restitution is always sincerely appreciated.



STONE TOMATO

Strawberry, or Husk Tomato Plants of low-spreading growth and immensely productive. The small, yellow fruits are each enclosed in a husk. Of very sweet flavor, highly esteemed for preserving or making pies. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; parcel post paid.

Red Pear Shaped Pkt., 10c; oz., 50c; parcel post paid.

Yellow Pear Shaped Pkt., 10c; oz., 50c; parcel post paid.

Tomato Plants

✓ These are ready about the 20th of March. Our stock is raised from the very best quality of seed and will give perfect satisfaction.

Varieties—Acme, Ponderosa, Early Detroit, Globe, Stone.

Prices as follows: Hot-bed plants, by express—Doz., 15c; 100, 50c; 500, \$2.25; 1,000, \$4.00. By parcel post—Doz., 20c; 100, 60c; 500, \$2.50; 1,000, \$4.50.

Transplanted Plants: By express—Doz., 25c; 100, \$1.00; 500, \$4.00; 1,000, \$7.50. By parcel post—Doz., 35c; 100, \$1.25; 500, \$4.50.

Important====Special Notice

Deduct 10c on pound prices quoted parcel post paid in our catalog, if you order goods shipped by express or freight.

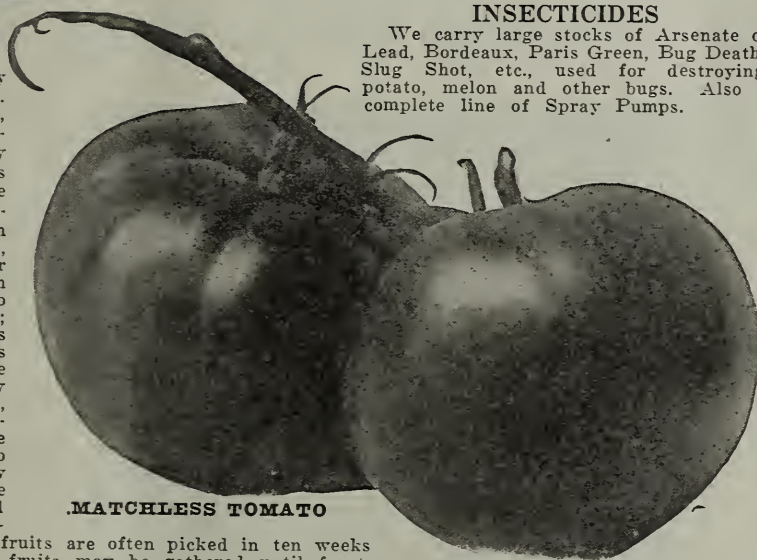
INSECTICIDES

We carry large stocks of Arsenate of Lead, Bordeaux, Paris Green, Bug Death, Slug Shot, etc., used for destroying potato, melon and other bugs. Also a complete line of Spray Pumps.

Tobacco

Culture: The seed should be sown on a well-prepared seed bed in the spring and a piece of canvas stretched across the top to protect it against the weather. When plants are about 6 inches high, set out two feet apart in rows 3 feet apart; spray with paris green to keep the insects off.

We have two varieties best suited to this section—HAVANA and KENTUCKY WHITE BURLLEY. Price, either variety, per packet, 10c; ounce, 50c; parcel post paid.



MATCHLESS TOMATO

Ponderosa It is in every way splendid. It excels in magnificent size, often attaining a circumference of 18 inches, frequently weighing 2, 3 and 4 pounds each, perfect in form, free from wrinkles and fissures, perfectly smooth; solid, free from water cavities, almost seedless, ripens thoroughly from center to skin, its glowing crimson color permeating the flesh to the heart; it is free from rot; but above all, the delicious quality and flavor are its crowning merits; toothsome and rich when sliced, savory and delicious when canned, very little boiling being required for it to thicken. The plants of Ponderosa Tomato are of luxuriant, healthy growth, independent of the drouths, free from blight, and are prodigious, early and continuous bearers. First ripe fruits are often picked in ten weeks from seed sowing, while late fruits may be gathered until frost. Pkt., 5c; oz., 50c; ¼ lb., \$1.25; 1 lb., \$4.50; parcel post paid.

Russell's Royal Pink If in doubt about what tomato to grow, you will make no mistake in planting our Royal Pink. It comes early and always pleases. Always smooth and large, of perfect form and quality. Borne in clusters of 4 to 6 large fruits, retaining its splendid size to the end of the season. Ripens early; flesh very firm, and seldom cracks after a rain. Pkt., 5c; oz., 50c; ¼ lb., \$1.25; 1 lb., \$4.00; parcel post paid.

Stone One of the largest, most solid and meaty of all tomatoes, and especially valuable for late plantings. It has heavy foliage, thus protecting the fruits from the burning sun of late summer and early fall. It is very solid and a good shipper; smooth and uniform in growth. Color, a desirable red. Fine for canning, for its solidity. Pkt., 5c; oz., 30c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.

Matchless Rich, cardinal-red; large; solid, with tough skin; not liable to rot or crack; excellent quality; vigorous grower and very prolific; one of the best main-crop sorts; solid enough to be a good shipper. Pkt., 5c; oz., 35c; ¼ lb., 90c; 1 lb., \$3.00; parcel post paid.

Red Peach Fruits one and a half inches in diameter. The skin is covered with a slight bloom or pubescence, as in a peach, and of beautiful coloring. Pkt., 10c; oz., 50c; ¼ lb., \$1.25; parcel post paid.

Crimson Cushion One of the best large sorts of bright red color. It ripens evenly, smooth in size, uniform shape and of excellent quality. Pkt., 5c; oz., 50c; ¼ lb., \$1.25; 1 lb., \$4.50; parcel post paid.

Yellow Ponderosa One of the most interesting novelties ever introduced. It equals our Improved Ponderosa in size, but bears rich, golden-yellow fruits in abundance. This is a grand yellow tomato that has color alone to distinguish it from

AMATEUR'S GARDEN GUIDE
Special planting instructions for sowing all kinds of vegetable and flower seeds, setting fruit trees, roses, strawberry plants, sowing grasses and clover seeds supplied free with orders



PONDEROSA TOMATO

Turnip

Culture: Spring sowing should be put in early so that they will attain a good size before hot weather. For the regular crop, sow the early sorts in July or August, the later sorts during August, and the salad varieties during August and September. Sow either broadcast or in drills 2 feet apart, thinning out to 6 inches and roll the ground after sowing. Rutabagas should be sown in July and early in August, and earthed up as they grow. New ground makes the best turnips, or, if sown in your garden, first mix a good supply of Duplex Basic Phosphate with the ground, then sow your seed. Cover the seed about $\frac{1}{2}$ inch. Sow $1\frac{1}{2}$ pounds to the acre in drills, 2 lbs., broadcast. One ounce to 100 feet of drill.

American Red Top White Globe It is one of the largest and finest of all the Turnips. Our strain of this famous standard sort cannot be excelled. It has globular shaped roots, with a pure white skin and a red or purple top. It is a very rapid grower and will produce more to an acre than any other variety. Highly prized by the market growers. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 25c; 1 lb., 80c; postpaid.

Extra Early Purple-Top Milan A white variety, purple top and strap leaf. This, with the White Milan, is the earliest of all Turnips. Remains in good condition a long time. Price, pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.25; parcel post paid.

Extra Early White Milan The earliest Turnip. Tops very small, distinctly strap-leaved and growing very erect. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; 1 lb., \$2.00; parcel post paid.

Large White Globe Makes large, round, handsome white roots, excellent for table and stock. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 20c; 1 lb., 60c; parcel post paid.

Mammoth Purple Top Globe Makes large, globe shaped roots, pure white, with purple top. A heavy yielder and unsurpassed in quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 60c; parcel post paid.

Red or Purple Top Strapleaf Flat, white, with purple top. Fine grained and tender. Used for early market and table. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 60c; parcel post paid.

Seven Top The oldstandard popular salad variety, grown exclusively for this purpose. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 55c; parcel post paid.

White Flat Dutch Strapleaf An extra early pure white, flat-growing variety. Recommended for early market. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 60c; parcel post paid.

White Egg A quick growing, egg-shaped, pure white variety. Very sweet, firm and mild. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 65c; parcel post paid.

White Cow Horn A very attractive, quick-growing turnip. Used especially for stock feeding. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 70c; parcel post paid.

Dixie Land Cultivated in the South for both turnips and greens. The tops furnish an abundance of cuttings, while the turnips are used for both table and stock. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 60c; parcel post paid.

Landreth's Fourteen Top Fine for winter; produces a world of good, greens. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c; parcel post paid.

Amber Globe Of large size, globe shaped, solid yellow flesh; green top. Fine for table and stock. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 60c; parcel post paid.



AMERICAN RED TOP
WHITE GLOBE



LARGE WHITE GLOBE

Yellow Aberdeen Purple Top A splendid keeping variety with firm, solid, yellow meat. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 60c; parcel post paid.

Mixed Turnips Matures in from 45 to 90 days. Equal mixture of all the best varieties, including White Milan. Pkt., 5c; $\frac{1}{4}$ lb., 20c; 1 lb., 55c; parcel post paid.

Rutabaga

Sow in drills or broadcast in June, July and August.

Improved Purple Top Rutabaga An improved strain of the finest yellow fleshed rutabaga grown. Hardy, sweet and a good keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 65c; parcel post paid.

Our Special Strain

Turnip and Rutabaga Seed have pleased the gardeners for years.

Our Special Discount

On all cash orders for Garden and Flower Seed, at our catalog prices, we will allow the following special discounts:

For \$1.00—Select seed in packets—1 oz., $\frac{1}{4}$ lb., 1 lb., $\frac{1}{2}$ pint, 1 pint, 1 quart packages to the value of \$1.15.

For \$2.00—Select seed in packets—1 ounce, $\frac{1}{4}$ pound, 1 pound, $\frac{1}{2}$ pint, 1 pint, 1 quart packages, to the value of \$2.40.

For \$3.00—Select seed in packets—1 ounce; $\frac{1}{4}$ pound, 1 pound, $\frac{1}{2}$ pint, 1 pint, 1 quart packages, to the value of \$3.60.

These discounts apply only to garden and flower seeds in the size packages named. They do not apply to any Insecticides, Fertilizers, Onion Sets, Poultry Supplies, Plants or Trees.

Gentlemen: My neighbor, Mr. A. McNeil, says he has been buying plants, etc., from you for several years and that you give a square deal, so please enter my order for one thousand Nancy Hall Slips, to be shipped by express.

Yours truly,
H. C. MCGILL.



RED OR PURPLE TOP STRAPLEAF

Bulbs for Spring Planting

Caladiums

Caladiums are the most effective plants in cultivation for planting out upon the lawn. Small bulbs, each, 15c; doz., \$1.25; parcel post paid. Not prepaid, by express, each, 10c; doz., \$1.00.

Large bulbs, each, 20c; doz., \$2.25; parcel post paid. Not prepaid, by express, each, 15c; doz., \$1.75.

Mammoth bulbs, each, 45c; doz., \$4.50; parcel post paid. Not prepaid, by express, each, 35c; doz., \$4.00.

Cannas

The Canna is really one of the best plants for the Southwest when properly handled and the right varieties are used. They are valuable for foliage as well as flowers. They can be had in varieties from two to ten feet high, with several distinct colors of foliage and large range of colors.



HUNGARIA CANNA

HUNGARIA—The new Pink Canna with green foliage, a beautiful shade of rose pink, 4 feet. Each, 25c; doz., \$2.25; parcel post paid. Not prepaid, each, 20c; doz., \$2.00.

KING HUMBERT—Orange scarlet, bronze foliage, 4 feet. Each, 20c; doz., \$2.00; parcel post paid. Not prepaid, each, 15c; doz., \$1.75.

PENNSYLVANIA—Fiery red, a beautiful flower, 3½ feet. Each, 15c; doz., \$1.65; parcel post paid. Not prepaid, doz., \$1.50.

JANE ADAMS—Golden yellow, large, 4 feet. Each, 15c; doz., \$1.65; parcel post paid. Not prepaid, doz., \$1.50.

GUSTAVE GUMPERS—Bright orange yellow, tall, massive plant, 5 feet. Each, 15c; doz., \$1.65; parcel post paid. Not prepaid, doz., \$1.50.

MRS. ALFRED CONRAD—A lovely salmon pink flower. Very showy, large blossom. Each, 30c; 12 for \$3.00; parcel post paid. Not prepaid, doz., \$2.75.

Dahlias

Plant bulbs in March and April, 3 feet apart. The Dahlia is one of the prettiest of our summer flowers.

DOUBLE PINK, DOUBLE YELLOW, DOUBLE SCARLET, DOUBLE PURPLE, DOUBLE WHITE, DOUBLE STRIPED.

Eacs, 25c; doz., \$2.50; parcel post paid. Not prepaid, each, 20c; doz., \$2.25.



DOUBLE DAHLIA

Named Dahlias

GEN. J. B. Seth—A beautiful Cactus Dahlia, brilliant scarlet, with orange scarlet shadings. Each, 50c; parcel post paid. Not prepaid, each, 40c; 3 for \$1.10.

RHEINKOENIG—One of the finest pure white Cactus Dahlias; of splendid form. Each, 40c; parcel post paid. Not prepaid, each, 30c; 3 for 85c.

CHATENAY—Peony flowered soft carmen, rose-shaded crimson. Each, 35c; parcel post paid. Not prepaid, each, 30c; 3 for 85c.

FRITZIMAN—Brilliant geranium red, a fine peony flowered variety. Each, 35c; parcel post paid. Not prepaid, each, 30c; 3 for 85c.

PRINCE OF YELLOWS—Rich canary yellow Cactus Dahlia. A fine cut flower variety. Each, 35c; parcel post paid. Not prepaid, each, 30c; 3 for 85c.

DELICE—The beautiful decorative type, a lively pink shade, very fine. Each, 40c; parcel post paid. Not prepaid, each, 35c; 3 for \$1.00.

JACK ROSE—Decorative variety, brilliant red, very large flower. Each, 30c; parcel post paid. Not prepaid, each, 25c; 3 for 70c.

PERLE DE LYON—One of the finest white decorative Dahlias, a showy flower. Each, 40c; parcel post paid. Not prepaid, each, 35c; 3 for \$1.00.

PRINCESS VICTORIA—Primrose yellow, fancy show Dahlia; continuous bloomer. Each, 35c; parcel post paid. Not prepaid, 30c each; 3 for 85c.

CUBAN GIANT—Extra large purple decorative Dahlia, always attracts attention. Each, 40c; parcel post paid. Not prepaid, each, 35c; 3 for \$1.00.

SPECIAL OFFER—One each of the 10 extra fine named Dahlias on our list for \$3.25 parcel post paid. Not prepaid, 10 for \$2.75.

Gladiolus

One of the best and most certain flowering bulbs. Plant at intervals from March to July.

GLADIOLUS—Finest mixed hybrids. By mail, doz., 60c. By express, doz., 50c; 100, \$3.50.

Named Gladiolus Bulbs

AMERICA—Soft lavender pink, very fine.

AUGUSTA—Pure white, with blue anthers, tall.

BRENCHLEYNIS—Intense scarlet, tall spike, very showy.

PANAMA—Darker pink than America and slightly larger.

MRS. FRANCIS KING—Bears immense flowers of flamingo-pink, blazed with red.

SCHWABEN—Pure, canary-yellow, shaded sulphur-yellow, throat slightly blotched with crimson.

Price, any of above, doz., 70c; 100, \$4.50, parcel post paid. By express, at buyer's expense, doz., 60c; 100, \$4.25.

Hardy Lilies

LILLIUM AURATUM (Gold-Banded Lily)—The most beautiful and popular variety of all the Lily family; should be in every garden. Flowers white, dotted crimson with a clear golden band running through the center of each petal; very fragrant. Each, 50c; doz., \$4.85; parcel post paid. Not prepaid, each, 40c; doz., \$4.50.

SPECIOSUM RUBRUM LILY—This is one of the most popular and satisfactory of all Lilies and is considered by many as one of the finest of all Lilies. The flowers are bright crimson and white spotted. Splendid large flowers are borne in clusters with stems 2 to 3 feet long. Each, 50c; doz., \$4.85; parcel post paid. Not prepaid, each, 40c; doz., \$4.50.

SPECIOSUM ALBUM LILY—This is one of large flowers, pure white with a green band running through the center of each petal. One of the best. Each, 50c; doz., \$4.85; parcel post paid. Not prepaid, each, 40c; doz., \$4.50.

Madeira Vine

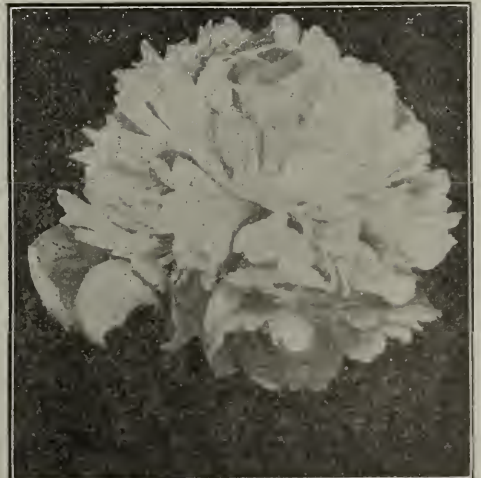
A beautiful, rapid growing climber, bearing fragrant white flowers; very pretty and useful. Each, 15c; doz., \$1.50; parcel post paid.

Tube Roses

DOUBLE PEARL—Doz., 85c; 100, \$5.35; parcel post paid. By express, doz., 75c; 100, \$5.00.

Peonies

These have become indispensable in every garden. They are all hardy and admirably suited to our Southern climate, growing in almost all situations. Plant any time in the spring. They bloom better each season. Prices on next page.



QUEEN VICTORIA PEONIE

RUSSELL-HECKLE **TOP NOTCH SEEDS** SEED COMPANY

MEMPHIS, TENN

BULBS FOR SPRING PLANTING (Continued)

Named Double Peonies

DUC DE CAZES—Bright pink, shaded violet; light center and silvery reflex.

FESTIVA MAXIMA—This truly superb variety is considered the finest white in cultivation.

LOUIS VAN HOUTTE—Rich dark crimson, developing a slight silvery tip as the flowers age.

QUEEN VICTORIA—Pure white with creamy white center. A very popular variety.

CANDIDISSIMA—Early white tinted sulphur; good; blooms freely.

EDULIS SUPERBA—Very early, deep rose pink; blooms very freely.

FRANCIS ORTEGAT—Large flower, glowing crimson; semi-double.

Each, 60c; parcel post paid. Not prepaid, each 50c; 12 for \$5.00.
One each of above seven varieties for \$3.75, parcel post paid.
Not prepaid, 7 for \$3.25.

Unnamed Peonies

These are all select bulbs true to color as listed:

DOUBLE CRIMSON PEONIES—Each, 40c; doz., \$4.50; parcel post paid.

DOUBLE PINK PEONIES—Each, 40c; doz., \$4.50; parcel post paid.

DOUBLE WHITE PEONIES—Each, 40c; doz., \$4.50; parcel post paid.

By express deduct 5c on single and 50c on dozen prices.

Russell-Heckle's Flower Seed



GIANT COMET ASTERS

Alyssum

SWEET—Six to eight inches high; a fragrant, hardy annual, bearing spikes of small white flowers in great profusion throughout the summer and autumn. Useful for border or early bedding flowers. Sow the seed early in spring. Pkt., 5c; 1 oz., 35c.

LITTLE GEM—Three to four inches high; fine for borders. Pkt., 10c; oz., 50c.

Antirrhinum or Snap Dragon

Flowers double the size of older sorts, more closely set on the stems and colors more clear and brilliant, growing about 18 inches high. Grand mixture of many colors. Pkt., 5c; oz., \$1.00.

Asters

CHINA—Very effective in beds or borders, and offers a pleasing change to the innumerable double sorts. Mixed colors. Pkt., 5c; oz., 75c.

GIANT COMET—A good bedding variety with large blossoms, the petals of which are long, narrow and curled backward. Splendid for cut flowers. Mixed colors. Pkt., 10c; oz., \$2.00.

ALL COLORS MIXED—A combination of all varieties, giving both range of colors and shapes. Pkt., 5c; oz., \$1.00.

Balsam

APPLE—Round apple-shaped fruit with very fine glossy, green foliage. This is a pretty climber. Pkt., 5c; oz., 40c.

DOUBLE MIXED—Balsams like hot sun, rich soil and plenty of water. Plant 12 to 18 inches apart. Transplanting two or three times has a tendency to dwarf the plants into better shape and to make the flowers more double. Pkt., 5c; oz., 60c.

BRIEF HINTS ON SOWING—Nine-tenths of the failures in raising flowers are caused by improper treatment of the seeds and young plants. The finer seeds should be started in shallow, well-drained boxes in the house and the young seedlings should be transplanted a few times until they are large enough to be set out into the open ground. Do not plant any seed as long as the ground is wet. A mellow loam, enriched with compost of rotted manure and leaf mold, is best adapted to most flowers. Rake the surface as smooth and fine as possible, elevating the surface of the beds and borders slightly in the middle so that surplus water may run off. Cover the different seeds in proportion to their size, giving very thin covering to small seeds and planting large seeds deeper.

All prices on Flower Seeds are parcel post paid.

Special Rates on Packet Flower Seeds

Select any six 5c size for	-----\$.25
Select any thirteen 5c size for	----- .50
Select any thirty 5c size for	----- 1.00
Select any three 10c size for	----- .25
Select any seven 10c size for	----- .50
Select any fifteen 10c size for	----- 1.00

We pay parcel post at above rates, but allow no further discounts.



CARNATION (See Page 25)

Balloon Vine

A rapid growing climber; thrives in light soil. One of the prettiest climbers. Pkt., 5c; oz., 40c.

Bachelor's Button

Mixed colors. Of easy culture; sow the seed where it is to remain and thin plants to 3 or 4 inches apart. Annual. Pkt., 5c; oz., 50c.

Calliopsis

Showy, beautiful free flowering annuals, blooming all summer; excellent for cutting and massing. Mixed colors. Pkt., 5c; oz., 75c.

Canary Bird Vine

A beautiful climber with curiously shaped little canary-colored blossoms. Will blossom freely from July until killed by frost. Tender annual. Sow in the house and transplant, or in open ground. Pkt., 5c; oz., 50c.

Candytuft

One of the earliest blooming plants in spring and easily raised from seed. The flowers are produced in clusters in a variety of colors. Planted in masses they form a flower garden by themselves. Fine as cut flowers.. Start in boxes or under glass for early bloom. Very showy for borders or massing in beds. Mixed. Pkt., 5c; oz., 25c.

Canna

Stately, ornamental, producing clusters of large flowers of the most intense varied and brilliant colors. Very desirable for greenhouse or bedding outdoors. Plant the seed in February, first soaking them for a day in warm water. Mixed colors. Pkt., 5c; oz., 50c.



GIANT FLOWERING COSMOS

Carnation

MARGUERITE—The plants of this wonderfully fine strain may be made to flower in four months. The flowers are large, double and very fragrant, and appear in very attractive shades of color. The stalks are sturdy and grow to an even height. The plant blooms from spring until late fall. One of the best "Pinks" in cultivation. Mixed colors. Pkt., 10c; oz., \$2.00. (See Illustration on Page 24).

Cobea, or Cup and Saucers Vine

A climber of rapid growth; valuable for covering trellises, arbors, trunks of trees, etc. It attains a height of 30 to 50 feet during the season. In sowing, place the seed edgewise and merely cover with light soil; to get early results start the seed indoors in March or April; can also be sown outdoors in May. Large, bell-shaped purple flowers. Pkt., 5c; oz., 50c.

Cosmos

Among the garden annuals that have come into prominence in recent years the Cosmos leads all. It is a show in the garden and magnificent when cut. Seed sown in the open ground in the beginning of April will produce blooming plants in July, and they will continue to flower late in the fall. (See Illustration on Page 24).

GIANT FLOWERING—Mixed colors. Pkt., 10c; oz., 60c.
EARLY FLOWERING—Mixed colors. Pkt., 5c; oz., 50c.

Cypress Vine

Rapid climber, having dark green, feathery foliage, bearing an abundance of star-like flowers; fine for trellises and arbors. Mixed. Pkt., 5c; oz., 45c.

Dahlia

DOUBLE—This strain is a decided advance on the ordinary singles. The plants are of strong, robust habits, and produce in great abundance flowers of immense size, of the most bewildering variety of coloring. Mixed colors. Pkt., 10c; oz., \$1.50.

Eschscholtzia (California Poppy)

The State flower of California. A genus of the Poppy family, fully as valuable as the common poppy for garden ornamentation, as it blooms almost continuously. Hardy annuals; height 1 foot. Mixed. Pkt., 5c; oz., 50c.

Four O'Clock

MARVEL PERU—Mixed. These flowers are funnel shaped; red, white, yellow or striped with other colors and open about 4 o'clock in the afternoon, remaining open all night. The abundance of new flowers daily afford a constant succession of fine blooms. Sow in open ground. Hardy annual; two feet high. Pkt., 5c; oz., 20c.

Foxglove (Digitalis)

Grows to the height of 3 or 4 feet, with dense spikes of brilliantly colored flowers which are terminal and half as long as height of plant. Colors, white, lavender and rose. Mixed. Pkt., 5c; oz., 45c.



KOCHIA, Or SUMMER CYPRESS



GLOBE AMARANTH

A handsome and curious plant for hanging baskets, rock-work and vases. The leaves and stems appear as though covered with ice crystals. The whole plant is peculiarly brilliant in sunshine. The flower is white and pink. Pkt., 5c; oz., 40c.

Kochia, or Summer Cypress

Grows quickly from seed sown in the open ground. The plants are of rounded or globe-like form. Early in the fall the ends of the shoots are thickly set with small bright scarlet flowers, the bushy plants resembling balls of fire; makes a good summer hedge. Pkt., 5c; oz., 45c.

Larkspur

The Larkspur is one of the handsomest and most useful of plants and for large gardens is invaluable. Mixed. Pkt., 5c; oz., 45c.

PERENNIAL—The hardy kind. Mixed varieties. Pkt., 10c; oz., \$2.00.

Marigold

Immense flowers, 9 to 14 inches around; double; primrose, lemon, orange and golden shades. No flower garden seems complete without this fine old-fashioned flower. Hardy annuals, in bloom till frost comes. Pkt., 5c; oz., 45c.

Mignonette

SWEET—A well-known, hardy annual, producing dense spikes of exceedingly fragrant flowers. If sown at intervals in spring and summer, it will bloom until killed by frost. Thrives best in a cool temperature. Pkt., 5c; oz., 30c.

Moon Flower

So called from its rare peculiarity of blooming best at night, although it also expands its flowers on dull days. A beautiful climber, producing large, sweet-scented flowers 4 to 5 inches across. Tender annuals, 15 to 20 feet. Soak seed and plant in warm, sunny place.

IPOMEA ALBA (The White Moon Flower)—Pkt., 10c; oz., 70c.

BONA NOX—Blue flowers, large and fragrant. Pkt., 10c; oz., 75c.



CALIFORNIA POPPIES

Globe Amaranth

BACHELOR'S BUTTON—A single plant will produce several hundred flowers. 1 foot. Mixed colors. Pkt., 5c; oz., 40c.

Gourd

A tribe of climbers with curiously shaped and colored fruit. Being of rapid growth they are fine to cover old fences, trellises, stumps, etc. Tender annual; 10 to 20 feet high. Pkt., 5c; oz., 30c.

Hollyhock

DOUBLE—Mixed colors. Our seeds have been saved from the finest and largest double flowers only, and will produce flowers extremely double and in the best, brightest and most charming colors. Sow in April, May or June for next year's blooming. Pkt., 10c; oz., \$1.50.

Humulus (Japanese Hops)

Quick growing vine for veranda or trellis. Annual; not subject to insect pests; very handsome; stands drought well. Pkt., 5c; oz., 50c.

Hyacinth, or Jack Bean

A rapid growing annual climber; mixed; all colors. Pkt., 5c; oz., 20c.

Ice Plant

RUSSELL-HECKLE TOP NOTCH SEEDS SEED COMPANY

MEMPHIS, TENN

Morning Glory

A hardy climbing annual growing about 10 feet high. Flowers are well known and exist in a great variety of colors, tints and markings. Fully expanded only in the morning. Of easy culture, quick growth and valuable in every garden. Mixed colors. Pkt., 5c; oz., 20c.

JAPANESE MIXED—New improved Japanese Convolvulus of grand variety; flowers measuring from 4 to 5 inches across; great variety of colors; very handsome foliage. Pkt., 5c; oz., 30c.

Nasturtiums

Annual. For ease of culture, duration of bloom, brilliancy of coloring and general excellence, nothing excels Nasturtiums. All they need is a moderately good soil in a well-drained, sunny position, and within a few weeks from the time they are sown until hard frost comes there is an endless profusion of their gorgeous blossoms.

DWARF CHOICE MIXED NASTURTIUM—A magnificent strain, containing countless shades, colors, stripes, blotches and veinings. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

TALL CHOICE MIXED—For richness and variety of color these have no equal among Nasturtiums. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

Pansies

These flowers thrive best on a cool, moist, but well drained soil, enriched with well-rotted barnyard manure or fine ground bone. Seeds sown early will produce fine plants for summer blooming.

PANSY—Choice. A splendid mixture of many very fine varieties. Pkt., 5c; oz., \$1.00.
MAMMOTH FLOWERING—Mixed. A special mixture of all the Giant Pansies; very fine colorings; contains an almost endless variety of shades. Pkt., 10c; oz., \$2.00.

Phlox

The annual Phlox occupies first place as a garden annual, being one of the most brilliant and at the same time one of the easiest and most satisfactory plants which can readily be grown from seed. It will grow and thrive in any kind of soil if given a sunny position but prefers a light, rich loam. Seed may be sown in the open ground any time after danger of frost is past.

PHLOX DRUMMONDII—Choice mixed. Contains fine select varieties of this showy annual. Pkt., 5c; oz., 60c.

PHLOX DRUMMONDII—Large flowering mixed. Pkt., 10c; oz., \$1.00.

STAR OF QUEDLINBURG—Star-shaped flowers of many colors. Pkt., 10c; oz., \$1.50.

FIREBALL—Flowers large, blood red. Pkt., 10c; oz., \$2.00.

SNOWBALL—Large, clear white flower. Pkt., 10c; oz., \$2.00.

HARDY PERENNIAL—Large and showy; mixed colors; 3 feet. Pkt., 15c; oz., \$2.50.

Petunias

FINE MIXED—Good mixture of all free blooming colors. Pkt., 5c; oz., 60c.

MAMMOTH FLOWERING—Large flowering Grandiflora, all colors mixed; single fringed and ruffled. Pkt., 10c; oz., \$2.00.

HOWARD'S STAR—Compact growing variety; flowers striped and blotched. Pkt., 10c; oz., \$1.25.

Pinks

Hardy and half hardy biennials and perennials, but nearly all blotched. Pkt., 10c; oz., \$1.50.
sown in the open ground.

CHINA DOUBLE MIXED—Pkt., 5c; oz., 60c.*

HEDDEWIGII DOUBLE MIXED—Flowers very large and double and of various shades of brilliant colors. Pkt., 5c; oz., 60c.

DOUBLE DIADEM—A most brilliant mixture of colors of bewildering beauty. Pkt., 5c; oz., \$1.00.

Portulaca

There is scarcely any flower in cultivation that makes such a dazzling display of beauty as a bed of brilliant colored Portulacas. They thrive best in a rather rich, light loam or sandy soil, and an exposed sunny situation. Half hardy annual.

DOUBLE MIXED—All colors. Pkt., 10c; oz., \$3.00.

SINGLE MIXED—All colors. Pkt., 5c; oz., 50c.

Poppies

DOUBLE PEONY FLOWERED—Annual variety; mixed, large, full double-fringed flowers. Pkt., 5c; oz., 20c.

SHIRLEY—These handsome flowers are single, beautiful in color, from pure white to deep crimson. Pkt., 5c; oz., 35c.

Ricinus (Castor Bean)

Stately, strong growing annual plants, with very ornamental foliage, well adapted as center plants of groups of Cannas, Dahlias, etc. Moles are troublesome in many gardens, but they may be kept away by planting Castor Beans in the borders. Pkt., 5c; oz., 20c.

Salvia

FLOWERING SAGE—A tender perennial, blooming the first season from seed. The blossoms are borne on long stems in racemes or spikes. The plant blooms profusely. Pkt., 10c; oz., \$2.50.

BONFIRE—Flowers of a most brilliant, dazzling scarlet; one of the finest. Pkt., 15c; oz., \$2.75.

Scarlet Runner Beans

A great favorite, not only as an ornamental climber, but for the delicious edible beans which succeed the bright scarlet sprays of pea-shaped blossoms. Pkt., 5c; oz., 15c.

Sunflower

Tall growing plants, with large and showy yellow flowers; hardy annuals. Pkt., any variety, 5c; oz., 25c.

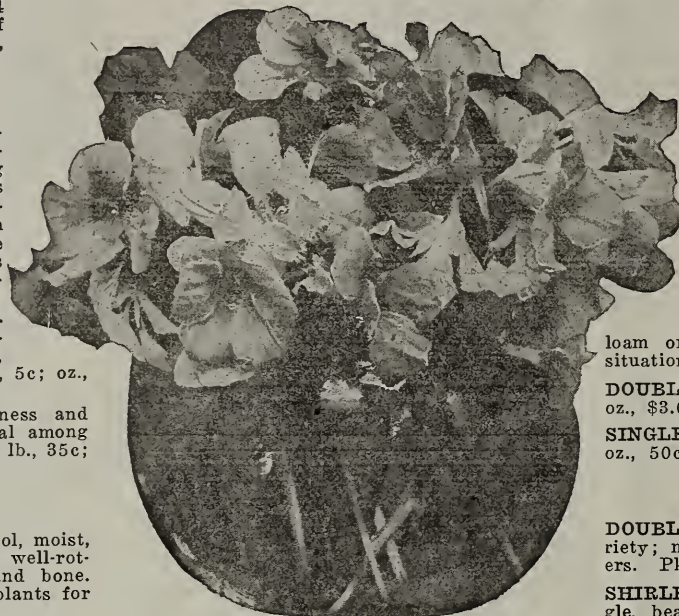
DOUBLE DWARF—4 feet.

DOUBLE TALL—7 feet.

SINGLE—5 feet.

Sweet William

This fragrant flower is too well known to require a lengthy description. We have the single varieties mixed, which are more attractive than the double. Pkt., 5c; oz., 85c.



NASTURTIIUMS



MAMMOTH FLOWERING PETUNIA



MAMMOTH FLOWERING PANSIES

RUSSELL - HECKLE **TOP NOTCH SEEDS** SEED COMPANY

MEMPHIS, TENN

Sweet Peas

SPENCER MIXED—They represent the highest achievement in Sweet Peas to date. This mixture has been made up of named sorts. Pkt., 5c; oz., 20c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.

BURPEE'S FINEST SPENCERS—From the house of Burpee. Their own special mixture of Spencer Sweet Peas. Pkt., 10c; oz., 25c; ¼ lb., \$1.00; 1 lb., \$3.00; parcel post paid.

ECKFORD ROYAL MIXED—Composed of the very best varieties of the Grandiflora type of Sweet Peas. These are somewhat harder than the Spencers. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00; parcel post paid.

CUPID, DWARF OR BEDDING MIXED—These form a line of emerald-green foliage a little over a foot wide and six inches high and from June until late summer are literally a sheet of bloom. Pkt., 5c; oz., 20c; ¼ lb., 50c; parcel post paid.

PERENNIAL OR HARDY SWEET PEAS—The plants bloom a long season, are hardy and will live for years, but the flowers have not the fragrance of the annual Sweet Peas. These come in shades of red and white only. An excellent plant for covering fences and trellises. Splendid for cut flowers. Finest mixed. Pkt., 10c; ½ oz., 35c; oz., 60c; parcel post paid.

Named Spencer Varieties

Price, any of the following varieties except where noted. Pkt., 10c; 1 oz., 50c; ¼ lb., \$2.00; 1 lb., \$7.00; parcel post paid.

COUNTESS SPENCER—The original giant flowered Spencer; clear pink.

KING WHITE SPENCER—Produces gigantic flowers absolutely pure white.

WHITE SPENCER—A superb purest white with large blossoms.

HERCULES SPENCER—A magnificent soft, rose pink; flowers extra large.

ENCHANTRESS—A very bright rose pink, becoming deeper toward edge of standard and wings, gradually softening in tone toward the center of the flowers.



SPENCER SWEET PEAS

Thunbergia (Black-Eyed Susan)

A beautiful tender climber, 3 to 5 feet high, with pale yellow flowers, having a distinct black center. Tender annual. Pkt., 10c; oz., 50c.

Verbenas

Easy to raise from seed and very fine for borders, flower boxes, and vases. Produce a variety of big flowers in many shades and

stripes. For early bloom start indoors or under glass but seed will quickly develop blooming plants when sown outdoors.

CHOICE MIXED—Embraces all colors. Pkt., 5c; oz., \$1.25.

FANCY LARGE MIXED—Embraces a wide range of the most beautiful colors, the clusters being of large size. Pkt., 10c; oz., \$1.50.

FANCY BRIGHT CRIMSON—Pkt., 10c; oz., \$1.50.

FANCY CLEAR PINK—Pkt., 10c; oz., \$1.50.

FANCY DEEP PURPLE—Pkt. 10c; oz., \$1.50.

FANCY PURE WHITE—Pkt. 10c; oz., \$1.50.

Vinca, or Periwinkle

Ornamental free-blooming, handsome, bushy plants. Desirable for massing or borders. Easily grown. Pure white. Pkt., 10c; Mixed colors, pkt., 10c; oz., 90c.

Zinnia

A half-hardy annual growing from 1 to 2 feet high. The colors are in great variety and very bright. Probably no flower has such an assortment of shades, tints and colors, and no bedding plant is more effective for a brilliant show. Sow in

boxes early and transplant. These attractive and decorative hardy annuals are most desirable plants for mixed borders or bedding purposes and are remarkable for the profusion and duration of their flowers which are extremely useful for bouquets.

CHOICE DOUBLE MIXED—A fine mixture of colors. The petals are curled and the flowers large and attractive. Pkt., 5c; oz., 50c.

FANCY LARGE FLOWERING MIXED—A magnificent form of this most useful annual with a wonderful range of brilliant colors. Pkt., 10c; oz., 75c.

FANCY BRIGHT PINK—Pkt., 10c; oz., 85c.

FANCY DEEP CRIMSON—Pkt., 10c; oz., 85c.

DWARF DOUBLE SORTS—More compact and neater than the taller varieties. 8 to 12 inches. Mixed colors. Pkt., 5c; oz., 90c.

Our Special Discount

On all cash orders for garden and flower seeds only, at our catalog prices we will allow the following special discounts:

For \$1.00—Select seed in packets, 1 oz., ¼ lb., 1 lb., ½ pt., 1 pt., 1 qt., to the value of \$1.15.

For \$2.00—Select seed in packets, 1 oz., ¼ lb., 1 lb., ½ pt., 1 pt., 1 qt., to the value of \$2.40.

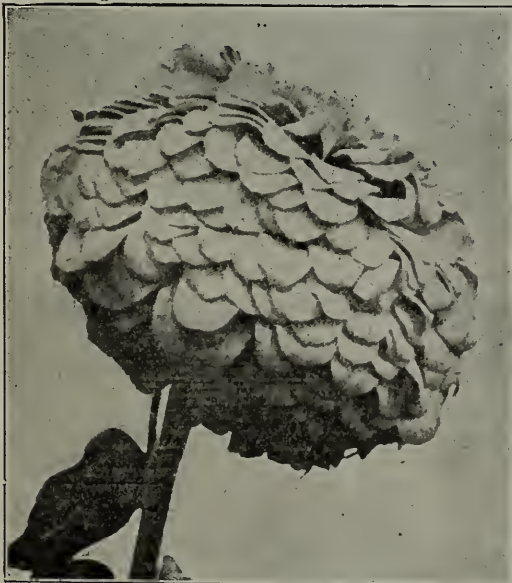
For \$3.00—Select seed in packets, 1 oz., ¼ lb., 1 lb., ½ pt., 1 pt., 1 qt., to the value of \$3.60.

These special discounts apply only to garden and flower seeds in the size packets as stated. They do not apply to any Plants, Fruit Trees, Farm Seeds, Onion Sets, Fertilizers, or Poultry Supplies. Our prices are reasonable, our discounts liberal, our seeds the best. Send us your orders.

Flower Seed Bargain Assortment

12 5-cent packets for 30c, postpaid.

- | | |
|------------------------------|------------------------------|
| 1 Pkt. Aster, mixed. | 1 Pkt. Phlox, mixed. |
| 1 Pkt. Cosmos, mixed. | 1 Pkt. Pink, mixed. |
| 1 Pkt. Cypress Vine, mixed. | 1 Pkt. Sweet Peas, mixed. |
| 1 Pkt. Morning Glory, mixed. | 1 Pkt. Sweet Alyssum, mixed. |
| 1 Pkt. Nasturtium, mixed. | 1 Pkt. Verbena, mixed. |
| 1 Pkt. Petunia, mixed. | 1 Pkt. Zinnia, mixed. |



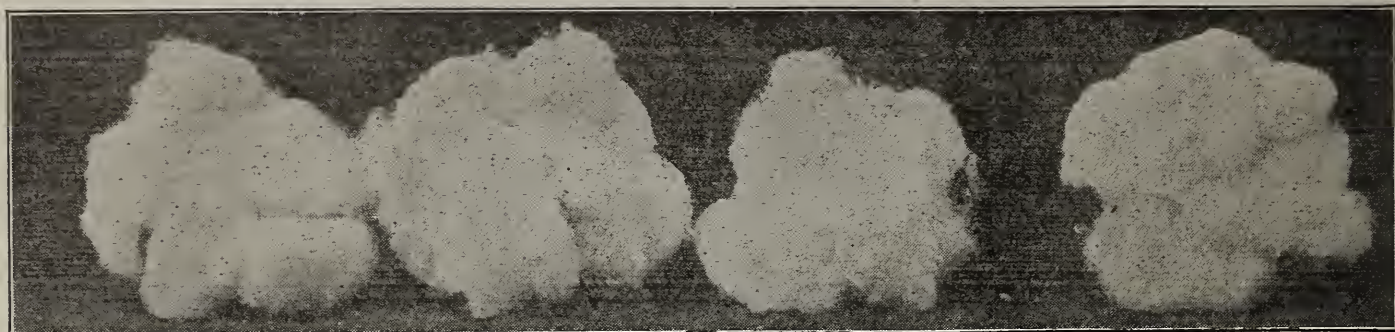
ZINNIA



VINCA, OR PERIWINKLE

Russell-Heckle's Improved Cotton Seed

Prices F. O. B. Memphis, per bushel of 30 pounds, subject to stock on hand. For current prices on large quantities, see Green Ink Price List enclosed... When in market for a carload, telegraph or telephone us for special prices, delivered your station.



Selection of Varieties

Since this firm was first organized many years ago, the supplying of true-to-type cottonseed for planting purposes to our customers and friends has been more than just a department of our business; it has been a matter of great pride with us, and we have given the matter much careful thought and study, and the continuous attention that the importance of the subject demands.

The selection of the variety of seed you intend to plant is not a matter to be treated lightly, for under certain conditions which may prevail in the fall, the choice of variety now may mean the difference between success and failure to you. It is, therefore, of VITAL IMPORTANCE to you to select the right variety for your failure or success one year may determine the success or failure of your entire business career.

Is it possible for a farmer himself to develop his own supply of planting seed to that degree of quality that will bring best results? No, he cannot do this. He is engaged in farming for profit, and if he is to make a success of his farm, his time is entirely taken up with the hundreds of details which successful farm management requires.

The breeding of certain types of cottonseed and their development are a business in themselves, entirely separate and distinct from ordinary farming. We have several agricultural experts in the South who have devoted the best part of their lives to this work, and it is to them that we are indebted for the highly-bred types of cottonseed that this firm has offered from time to time, and which have brought success to so many of our customers.

Certain varieties have been bred up with the idea of overcoming conditions brought about by the presence of the boll weevil, that dread pest which has brought thousands of farmers to a state of despondency. Other varieties give splendid results where there are no weevils present, but absolutely fail where weevil is present. Certain varieties do splendidly on some soils and give very poor results on other soils.

It is here, therefore, that this firm has been of value to its customers—in selecting for them the type of cotton best suited to their needs and conditions. We are thoroughly informed as to the relative value of the different varieties under different conditions, this knowledge being gained through exhaustive study of the results obtained through experimental work under governmental agencies in the different sections, and under actual field conditions.

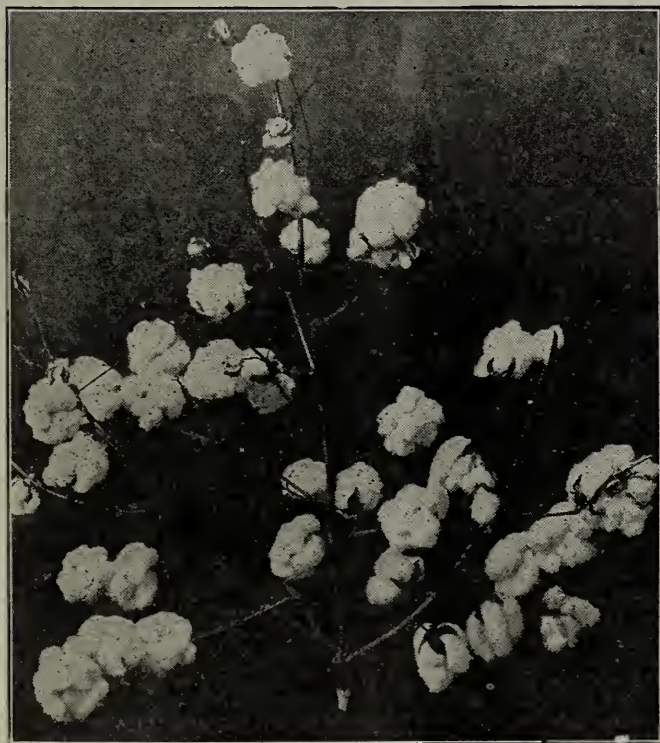
We have been urged at various times to take over the exclusive sale of some one variety of cotton, and no doubt we could have “cleaned up” on the proposition. However, there is no “one best cotton” for any and all conditions, and we have always refused to accept such offers, for we consider the good-will of our customers and the success we can bring them, of more importance than the mere making of money for ourselves. We offer to you the purest types of all the standard, tested varieties on the market, and the knowledge we have gleaned of the relative values of the different types for your section and soil is yours for the asking.





Extra Early Medium Boll Varieties

Wannamaker Cleveland This is probably the best known of all the early maturing short cottons on the market today. It is the result of years and years of breeding work on the part of W. W.



WANNAMAKER CLEVELAND

Wannamaker & Sons over in the Carolinas, this firm being one of the foremost cottonseed breeders in the South. They took the old Cleveland Big Boll cotton to begin with, and through "plant to row breeding methods for several

years, produced a strain very much earlier in maturity than the parent plant, which is what they desired for they wanted a cotton "to beat the boll weevil." The cotton has not quite so big a boll as the original Cleveland, nor quite so long a staple; however, it classes as a big boll type and staple runs from 1 inch to 1 1-16 in length. It combines the three most desirable characteristics in a cotton for boll-weevil conditions and elsewhere—extreme earliness of maturity, extra large lint-out-turn at gin, and prolific yield in the field. It comes nearer thriving under any and all conditions than any other variety we know of, and is recommended by the different Experiment Stations for both hill and valley lands. Seeds are straight, brownish color, bolls are large, plants uniform, foliage medium, lint percentage 39, staple 1 to 1 1-16 inches. Yields of two bales per acre have been made in many cases with Pedigreed Wannamaker Cleveland. Price, single bushels, \$2.75.

King's Early Improved It is true this is a very short cotton, but it is not objectionable like Half and Half, and when you remember that it is just about the earliest cotton grown, you can see why it is deservedly popular. Many and many a time King Cotton has pulled farmers "out of a hole" when they had to replant their crop, where they would have failed with a later variety. A very prolific variety, medium size boll, and very prolific yield; lint out-turn 36 per cent, good. Price, single bushels, \$2.50.

Simpkin's Prolific Originated in Carolina many years ago, and very similar to King. With King, it shares the honor of being about the earliest cotton grown, and can't be beat for replanting. We get our seed of both King and Simpkins from the heart of the growing sections of these varieties in Carolina. Staple about 1 inch, lint out-turn 36 per cent, very prolific in field. Price, single bushels, \$2.50.

Trice This is a Tennessee product and in some sections has been planted to the exclusion of all others. It is as early as King's Improved, but has much better length of staple, running about 1 1-16. Medium size boll, light foliage. Percentage of lint, 32%, but very prolific in the field. When you get started late, Trice is especially good to plant. Price, single bushels, \$2.75.





$\frac{7}{8}$ 1 Inch 1 1-16 $1\frac{1}{8}$ Coml. $1\frac{1}{8}$ $1\frac{1}{8}$ Full 1 3-16 $1\frac{1}{4}$ 1 5-16 $1\frac{1}{8}$ 1 7-16 $1\frac{1}{2}$

Earliest Extra Big Boll Varieties

Mebane Early Triumph Originated in Texas many years ago and planted there more than any other variety today. Many sections of Arkansas, Louisiana and Mississippi prefer it to the other varieties. For several years there has been an increasing

est of the extra big boll cottons. Price, single bushels, \$2.75.

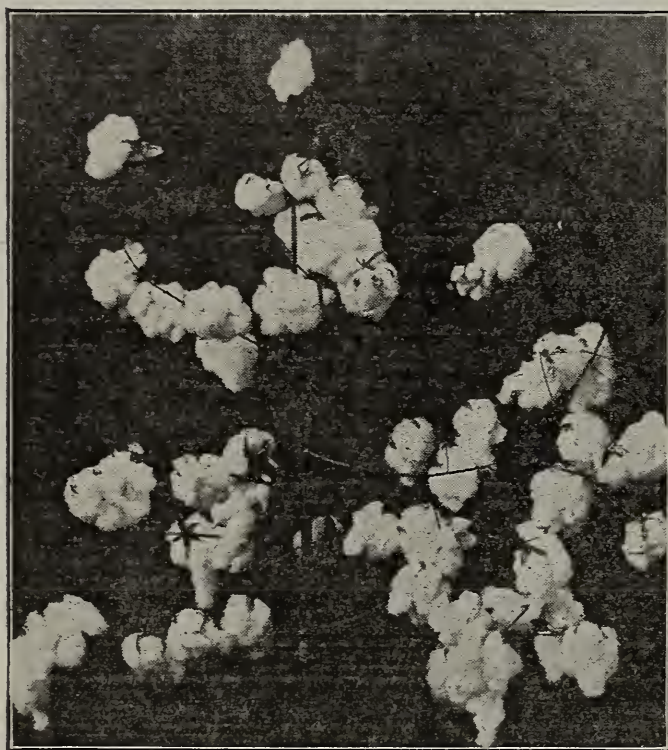
Cleveland Big Boll This is the variety from which the famous Wannamaker Cleveland was developed. It has bigger bolls than Wannamaker, and pulls longer staple about 1 1-16 inch full, and for that reason is better liked in some sections. Big boll type, heavy fruiter in the field and big out-turn at gin, 37 per cent. Another good "bender" cotton, bringing good premium every year over shorter cottons. Price, single bushels, \$2.75.

Heavy Fruiter Very sensational claims have been made for this variety. Yields of two bales per acre often claimed. We do not put much faith in such claims for we never expect the impossible. However, Heavy Fruiter has really "made good" for numerous farmers and is entitled to the popularity it has gained. The boll is extra large, 40 weighing a pound and the stalk is literally covered with bolls from the ground up, hence, its name. Easy to pick, yet storm-proof. Has a splendid root system which makes it drought-resistant. Extremely early for the size of the boll and a staple up to 1 1-8 inches is claimed, but what is more amazing a lint out-turn at gin of 40 per cent to 46 per cent is also claimed by many who have grown it. Such a cotton is bound to be a money maker and much in demand. Price, single bushels, \$3.00.

Medium Early Extra Big Boll Varieties

Rowden Big Boll Another Texas product and almost as much planted as Mebane Triumph. It has been most successful when planted on upland sandy soils. A very large boll that is easy to pick, yet resists the effect of storms as well as any variety. It has not quite so big a lint out-turn as the Mebane, but it has a little better staple, pulling a full 1 1-8 inches on strong soil and almost as early as Mebane. Price, single bushels, \$3.00.

Sproul's Big Boll This is a West Tennessee product and farmers in Shelby County swear by it, and with justice. For hilly country it can't be beat, but it should not be planted in rich bottom soils for it grows too rank there and its large leaf keeps the bolls from maturing. Has a very large boll, one of the biggest of all, a good out-turn at the gin, and pulls 1 1-16 inches full. We repeat, for uplands it can't be beat. Give it ample space in row. Price, single bushels, \$3.00.



MEBANE EARLY TRIUMPH

demand for a tough-fibre cotton of medium staple; something between the ordinary short varieties and long staples. Mebane Triumph is ideal in this respect; pulls from 1 1-16 to 1 1-8 inches, has a strong, tough fibre, storm-proof and makes a good "bender" cotton bringing good premium in price. Extra large boll, easy to pick, drought resistant, lint out-turn at gin 37 to 39 per cent and one of the earli-

Russell-Heckle's Long Staple Cotton

In the old days the only varieties of Long Staple cottons were so slow in maturing that it was found they could only be grown successfully in the extreme southern part of the cotton belt. Then, when the Boll Weevil invaded Louisiana and Mississippi, it was felt that the growth of Long Staple was doomed.

However, the Long Staple cotton industry had become of so much importance and the demand for cotton of this type was so strong that the United States Government and other agencies set about to breed and develop certain strains for earliness of maturity; in other words, to short-

en the growing period of the cotton to such an extent that the plant would be matured before the boll weevil could do much damage each year.

This great work has accomplished wonderful results, and while of course the boll weevil does more or less damage still in various sections, yet Long Staple cottons (that is, the carefully bred, early maturing varieties) are successfully grown as far north as Tennessee and Arkansas.

Do not attempt to plant staple cotton on poor soil; you will not get results that will pay you, and you would do better to stick to short cotton on such soil.

Early Maturing Medium Staples

Express Staple 1 1-8 to 1 3-16, and yet the maturity of the pure type Express is as early as the very short cottons. Further, the yield of seed cotton equals most any of the short varieties. It is true that the out-turn at the gin is smaller, but the big yield in the field, combined with the big premium in price for lint over short cottons, makes Express pay big money to the farmer. We do not recommend it for hill soils, but on the rich, bottom lands of the delta particularly, Express has won a place second to none in popularity. Last year the lint brought as high as 75 cents per pound when short cotton was selling for about 45 cents. Price, single bushels, \$2.75.

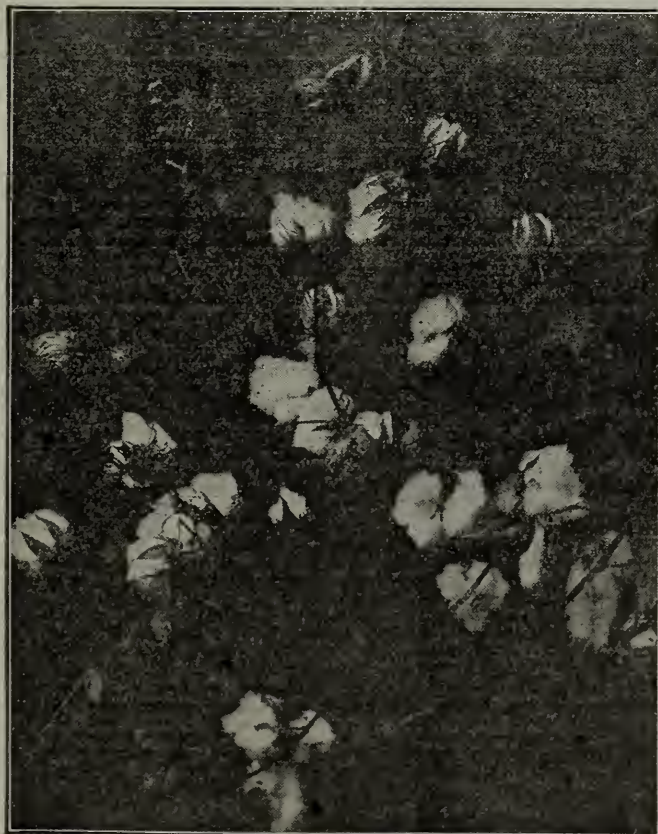
Polk's Improved Like Express, this cotton produces best on rich bottom soils. Some buyers will pay even more for its lint than for Express, and it brought as high as 83 cents per pound last year. The yield in the field is very heavy, the boll is a little larger than the Express and the out-turn at gin is possibly a little better. When you consider the fact that it yields acre for acre almost as well as the short cottons and yet brings such a big premium in price over short cottons you can understand its popularity in the bottom land sections. Price, single bushels, \$2.75.

Foster 1 3-16 staple, extra tough, strong fibre. Last year brought as high as 90 cents per pound, just double the price of short cotton at same time. We have heard of yields of about a bale per acre, but of course it takes exceptionally fine soil and favorable conditions all around to produce such results. It is very prolific, however, has a fair out-turn at gin, and is an early maturing staple variety. Price, single bushels, \$3.00.

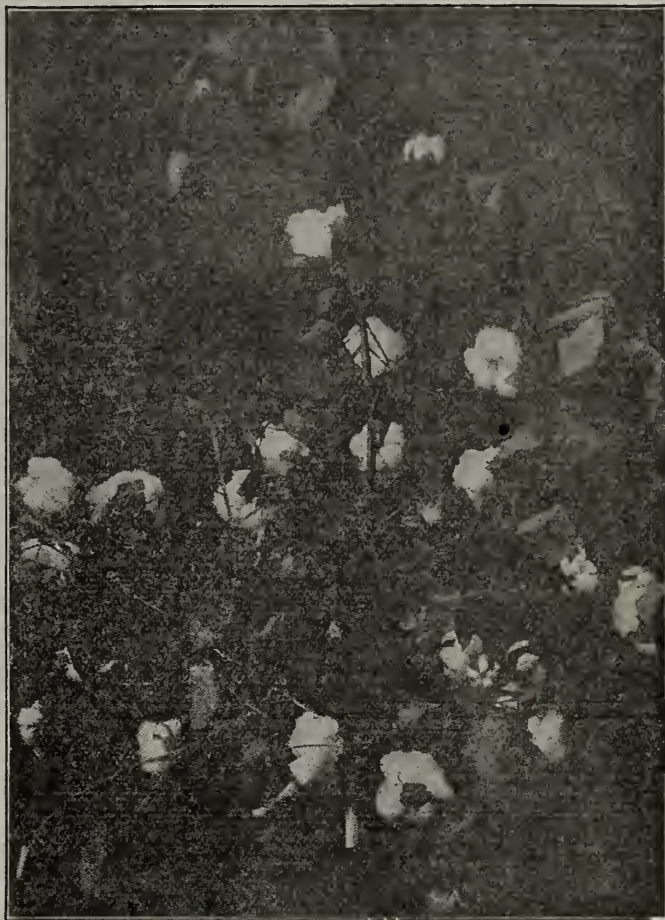
Prices—On account of catalog going to press before market has been established on all field seeds, we are unable to quote quantity prices on this page. For current prices see Special Green Ink Price Sheet enclosed.

Early Maturing Long Staples

Webber Number 49 Unquestionably this has proven to be the best of the early maturing long staples yet produced, and some of the large Delta planters have become rich through growing this variety. It has a staple pull of 1 1/4 to 1 5-16 inches, a yield in the field equal to short cottons and a lint out-turn at the gin of about 33 per cent, which equals most short cottons. It has a large boll that is easy to pick, yet its storm proof qualities are excellent. When we tell you the lint from this variety brought last year over a dollar a pound in some cases, and when you remember the yields mentioned above, you can understand why



WEBBER No. 49



WEBBER No. 82

this variety is so popular. Remember, it has taken nineteen years of cumulative breeding work on the part of the scientists engaged in this work, now operating under the name of the Pedigreed Seed Company, to bring this and other types up to their present state of perfection. A farmer can well afford to pay a big price for some of this wonderful seed every year for it will produce so much more than the seed he himself grows, as it only takes three or four years for any seed to "run out" unless improved by breeding work each year. Price, single bushels, \$3.00.

Webber Number 82 This is another of the strains of the original Webber cotton developed by the Pedigreed Seed Company, the famous long staple breeders in Carolina. It is similar to the Webber 49, except that it is just a little longer staple, and just a little later in maturity. It has brought even better price than Strain 49, and equally big yields. For boll weevil territory, however, the Strain 49 is preferable because it is earlier, and every day counts where the weevil is present in large numbers. Price, single bushels, \$3.00.

Extra Long Staples

Mississippi Silk This variety has been developed in our own territory and some of our biggest planters stand by it from year to year. It pulls 1 3-8 inches in staple, a good, strong, tough fibre that brings the very top price on the market. The boll is medium size and the cotton is not hard to pick like the old fashioned long cotton. The out-turn at the gin is excellent for this length of cotton, and the yield in the field is surprising. On strong bottom lands where no weevil is present, it is one of the best. Price, single bushels, \$3.00.

Hartsville Number 14 This cotton pulls 1 3-8 inches, which is extra long, yet the lint out-turn is 33 per cent at the gin, equal to short cottons, and 55 to 60 bolls weigh a pound. It is the largest balled of any of the long staple cottons, and more rounded in shade. It is not recommended for territory where boll weevil is present in large numbers, for it is not so early as other long cottons, but where no weevils are present, its excellent characteristics mentioned above, make it very desirable from a money-making standpoint, for the lint always brings a big price. Price, single bushels, \$3.00.

Russell-Heckle's Seed Corn



A FIELD OF RUSSELL-HECKLE'S GOURD SEED RED COB CORN

Corn is one of the most important crops, not only in the United States, but of the entire world. The South does not grow enough corn, mainly on account of the soil, but a great deal of the short yield can be traced to poor and unselected seed. We make a specialty of Fine Seed Corn, sell it cheap, so there is little excuse in not planting the best. "The secret of good corn is largely in the seed. Only the best should be planted,"—Prof. R. A. Moore, Wisconsin College of Agriculture. Plant in April and up to July 15th; 4 to 6 quarts will plant 1 acre; rows should be 4 feet apart; plant 2 to 3 grains 2 feet apart in the row, thin to one stalk. Cultivate shallow. Use 200 lbs. Acid Phosphate to an acre.

All quotations are subject to important market changes. Special prices quoted on large amounts.

Russell-Heckle's Gourd Seed Red Cob Corn

This is our own growing, a special stock, the pure white grains are narrow and nearly gourd seeds, and are set on a very small red cob, stalks produce two and three ears. They will average two ears all over the field. It is a big improvement over all other kinds of White Red Cob Corns, having a small cob with long firm grains, that are always sound and plump. Stalks medium, strong and stocky. This special stock is a genuine thoroughbred and you will be delighted with your yield and crop. It will mature in about 100 days. We have taken extra pains in selecting and hand shelling this splendid variety. This corn is a beauty, don't miss it. Quart, 50c; gal., \$1.40; parcel post paid. Not prepaid—Quart, 40c; gallon, \$1.00.

Cocke's Prolific This variety holds the highest record, and will in the near future break its own—150, 175 and 200 bushels per acre. This small Corn has two to five perfectly formed ears with a peculiar droop so dear to scientific Corn growers. It has a low, stout stalk, medium early, medium-sized ears, pearl white grain in straight rows. The weevil bothers this variety very little on account of the hardness of the grain, which is of good size, short, flat and almost round; very flinty. This corn is evenly lined on a white cob of good size, often attaining the length of 12 inches. Matures in 140 days. Unexcelled for meal and hominy. Quart, 40c; gal., \$1.00; parcel post paid. Not prepaid—Quart, 30c; gallon, 80c.

North Carolina White Prolific

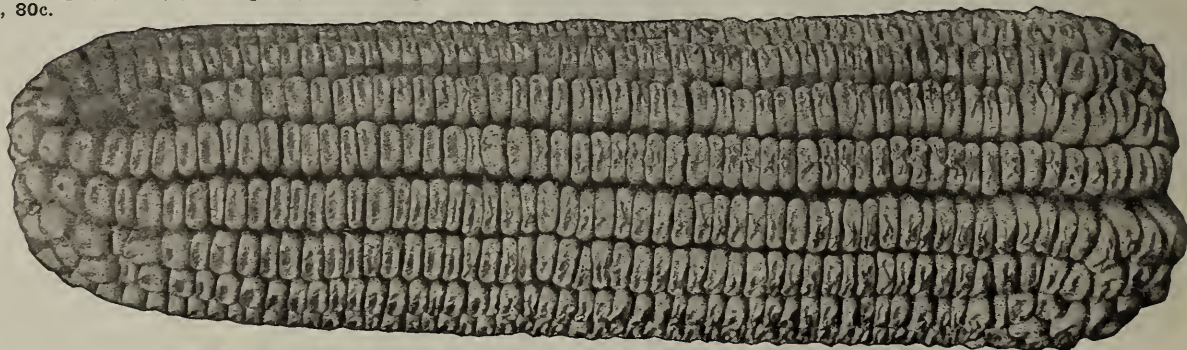
A fine variety of white field corn. It is very hardy and can be planted very early as well as late. Quart, 40c, gallon, 90c; parcel post paid. Not prepaid—Quart, 30c; gallon, 70c.

Tait's White Dent A pure white early corn, bearing two good ears to the stalk, maturing in 90 to 100 days. The cobs are unusually small for the size of the corn. The ears are medium sized, 14-rowed, and can be planted much thicker than a large corn and yet bear full-sized ears. Plant it for early crop as it makes before summer droughts. Qt., 35c; gal., \$1.00; parcel post paid. Not prepaid—Qt., 25c; gal., 80c.

Paymaster Corn This corn was originated in Williamson county, Tennessee. The grains and cob are pure white; the grains are deep, broad and set very solid on the cob, which is medium size. The stalks grow from 8 to 10 feet high. The ears are very uniform in size and shape, running from 9 to 12 inches in length, containing 16 to 20 rows, and averaging in weight from 1 pound to 1½ pounds. This is a highly bred corn, containing a high percentage of protein. Maturing about medium, it is well filled at both butts and tip. Every stalk bears two well-developed ears. Qt., 35c; gal., 90c; parcel post paid. Not prepaid—Qt., 25c; 4 qts., 70c.

Improved White Snowflake This is a most valuable field variety, one that makes a large yield, and, when ground, makes meal of the finest quality. It also makes a splendid roasting ear corn, being deep-grained, producing large-sized ears, of a shape that is most salable for green corn in our markets. It is an early and quick-growing variety, maturing its crop in about 85 days. It grows about 8 feet in height; ears set 4 to 5 feet from the ground. Nearly always produces two ears to the stalk. Does not blow down easily. Will make good corn in poor land where other sorts with large stalks will fail. Our market-garden customers will find this a particular valuable sort for making green corn to sell for roasting ears as it makes it in about eight weeks. Qt., 45c; gal., \$1.20; parcel post paid. Not prepaid—Qt., 35c; gal., \$1.00.

PRICES—Account catalog going to press before spring market has been established on all field seeds, we are unable to quote quantity prices on this page. For current prices see Special Green Ink Price Sheet enclosed.



TAIT'S WHITE DENT CORN

RUSSELL-HECKLE'S SEED CORN (Continued).

Surecropper White On account of its ability to make a crop, in spite of dry weather and adverse conditions, it is extremely popular with all corn growers. This corn does equally well when planted late or early. During 1918 a field of corn (Surecropper) was planted in Texas, and in spite of a long continued dry period that summer, and the further fact that the corn was greatly weakened by a destructive hail in the spring, the Surecropper of the March planting made a crop of exceptionally well developed and well filled, sound, smooth ears of corn. A field of it planted on June 23rd made over 25 bushels to the acre. It is truly a remarkable variety and seems to thrive on both poor land and rich, during during dry weather and wet weather, and when planted early or late. Surecropper makes a medium height; strong, stocky stalk; bears two and three medium sized ears, with very broad, wedge-shaped kernel—about 82 to 85 per cent grain. Fields of Surecropper usually contain remarkably few barren stalks, a large percentage of stalks bearing two good ears. Price, qt., 45c; gal., \$1.20; parcel post paid. Not prepaid—Qt., 35c; gal., \$1.00.

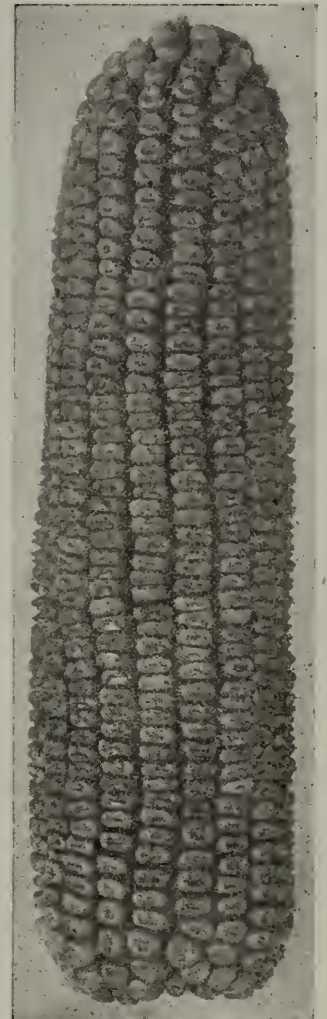
St. Charles White Red Cob Pure white corn with red cob, ears large, moderately rough, deep grain. Ears 8 to 10 inches long, cob medium size, fills out well. Stalks grow to medium height with very broad leaves, producing enormous yields of both corn and fodder. Being a native of St. Charles County, Missouri, this variety especially well adapted to our Southern States. Especially suitable for rich, black soil or new land. We always recommend Southern corns for main crop, and this is one of the best for this purpose. Always sells well. Matures in about 110 days. Qt., 35c; gal., 80c; parcel post paid. Not prepaid—Qt., 25c; gal., 60c.

Tennessee White Red Cob This is one of our favorite varieties, and one of the standard white corns of the South. We believe it is more largely grown than any other. A medium late corn, but is well adapted to our climate. The ear is very large, 10 to 12 inches long, 18 to 20 rows, very large grain, long and broad, producing an enormous quantity of the highest quality feeding and milling corn. The stalk is a very vigorous grower, producing a large amount of fodder, which makes it a fine ensilage corn. On rich land many of the stalks will produce two ears of good size. One of the best all-round stock corns grown. We cannot recommend Tennessee White Red Cob too highly. Matures in about 120 days. Qt., 35c; gal., 80c; parcel post paid. Not prepaid—Qt., 25c; gal., 60c.

Boone County White Boone County is a very large white corn, something like Silver Mine, but larger and later in maturing. It is well suited to all our Southern States as it ripens earlier than the native corns and at the same time will not be forced ahead too rapidly, owing to its slow growing tendencies. Ears well filled out at both butt and tip ends, of large size and well proportioned, 9 to 11 inches in length, averaging twenty rows. The grain is very deep and a little rough, cobs white and of medium size. Boone County is a show corn, and has won many premiums at corn shows all over the country. Matures in about 110 days. Qt., 35c; gal., 80c; parcel post paid. Not prepaid—Qt., 25c; gal., 60c.

Iowa Silver Mine A well and favorably known variety, one that has given universal satisfaction throughout the South. Silver Mine is deep grained, pure white, rough topped grains, with a small white cob. Ears grow from 8 to 11 inches long, with 16 to 18 rows of pure white kernels, solidly set on ears and well filled out at both ends. This corn is a drouth resister, and we recommend it as one of the best varieties to withstand dry weathor and mature a good crop. The stalks are of medium height, very leafy, with broad blades, very often bearing two good sized ears each. Iowa Silver Mine, we believe, has taken as many premiums as any corn grown. Matures in 100 days. Always very even and uniform. It is also one of the very best sorts you can plant for early green feed and silage. Qt., 35c; gal., 80c; parcel post paid. Not prepaid—Qt., 25c; gal., 60c.

Hickory King 100 days. The cob is very small, grain broad, white. Does well on thin land. It ripens in from 100 to 110 days from time of planting. The stock we offer comes from a breeder who took first prize at Tri-State Fair with this corn. This is something fine. Qt., 35c; gal., 90c; parcel post paid. Not prepaid—Qt., 25c; gal., 70c.



MOSBY'S PROLIFIC



A FIELD OF TENNESSEE WHITE RED COB

Russell - Heckle's Early White Dent

One of the earliest. Planted on or about March 20, it will be ready to gather by July 1. Qt., 35c; gal., \$1.00, parcel post paid. Not prepaid—Qt., 25c; Gal., 80c.

Huffman's White

(Prize Medal) — It has deep grains, comparatively small cob, and makes a good growth of both stalk and fodder. Our stock of this has been grown by Mr. T. L. Huffman of Normandy, Tenn., the originator of this variety, for the past ten years, and selections and improvements made each successive year. We recommend this as a most satisfactory and large yielding white field corn, especially for river low lands. Qt., 45c; gal., \$1.10; parcel post paid. Not prepaid—Qt., 35c; gal., 90c.

Mosby's Prolific

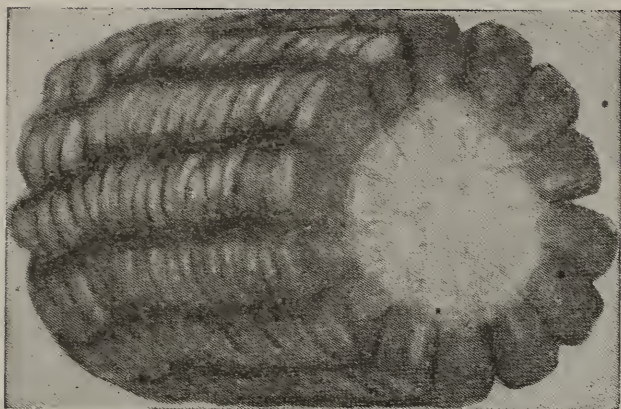
This is a Southern corn, and is recommended for general crop. It is purely white, small cob, deep grain, neither too hard nor too soft. Qt., 40c; gal., 90c; parcel post paid. Not prepaid—Qt., 30c; gal., 70c.

CORN IS A SAFE CROP to plant and is at present more profitable than it has ever been. The cost of production has not increased so much as for cotton. The boll weevil makes it necessary to reduce the cotton acreage in many places every year, corn with velvet beans planted close to the corn, and peas or soja beans planted in the middles when the corn is laid by, is one of the most prolific crops that can take the place of the cotton and on many farms this combination has proven more profitable than cotton.

RUSSELL-HECKLE **TOP NOTCH SEEDS** SEED COMPANY

MEMPHIS, TENN

RUSSELL-HECKLE'S SEED CORN (Continued).



RUSSELL-HECKLE'S MEKOMER-JUNE

Russell-Heckle's Pride of the South Yellow

The ears are of perfect shape with from ten to fourteen straight rows of bright golden yellow grains, remarkable in size and filled out completely to the extreme end of the cob. The richness of color and fine quality of grain make it vastly superior for grinding into meal. The grains are not of a hard, flinty nature, neither are they so soft as to be greatly shriveled. The ears are easily shelled, although the kernels are firm on the ear, and in every respect present as perfect a type as could possibly be had. Matures in 100 days from planting and surpasses all in size and beauty of grain. Qt., 45c; gal., \$1.20; parcel post paid. Not prepaid—Qt., 35c; gal., \$1.00.

Reid's Early Yellow Dent

This is a leading standard yellow variety, originated in Illinois many years ago, and is a type that experts have failed to change for the better. In our opinion this is the most popular variety of yellow corn grown in the United States. We offer fine stock of this leading standard variety, which is among the best all around purpose Yellow Dent Corn grown. Color deep yellow, with lighter cap. Grain very deep, closely packed; butt and tips almost entirely covered over. Slightly rough with grains dented on top. The leaves and stalks of Reid's Yellow Dent make fine ensilage and fodder. Well adapted for our Southern country. Matures in 90 days. Qt., 35c; gal., 80c; parcel post paid. Not prepaid—Qt., 25c; gal., 60c.

Yellow Leaming

This is a well known standard variety, and one of the most popular of the Northern yellow corns for general field purposes in the South. The stalks of Leaming are of good height, producing very leafy, broad blades, which make it a very splendid variety for ensilage purposes. The stalks stand up well, and can be planted a little thicker than most other varieties. It is a very early growing corn, matures in 90 days, always dries out quickly, therefore, a very desirable variety for early crop. Ears are well filled out, averaging about ten inches in length, of a beautiful golden yellow color. Qt., 35c; gal., 80c; parcel post paid. Not prepaid—Qt., 25c; gal., 60c.

Iowa Gold Mine

Not a great large corn, but the best thing we know of for medium early. The stock we have this season is certainly nice, and we recommend it. With the expert corn grower. Gold Mine is known as medium early, between the 110 day and the extra early sorts that mature in about 90 days. It is, however, a heavy yielder and a sure cropper. Ears are medium and very uniform in size, color bright golden yellow. The grain is deep and the cob is small. For this reason it dries out quickly, producing about sixty-two pounds of shelled corn to seventy pounds of ears. The stalks also make excellent ensilage or fodder. It has been grown all over the South with the best results. Matures in about 100 days. Qt., 35c; gal., 80c; parcel post paid. Not prepaid—Qt., 25c; gal., 60c.

Eureka Ensilage Corn

The best known silage maker. Grows tall with an abundance of fodder and averages two good ears on good ground. If you have a silo to fill don't try common seed on poor soil. Plant a small acreage of Eureka and make it rich. Seed for this season limited. Place your order early; can be planted in June or after oats. Qt., 40c; gal., \$1.00; parcel post paid. Not prepaid—Qt., 30c; gal., 80c.

Russell-Heckle's Mexomer June Much improved over the ordinary Mexican June, ears and grain are longer, almost pure white and the cob is also smaller. Produces two good-sized ears, 9 and 10 inches in length to every stalk. Heavy in foliage, making a splendid ensilage variety, matures in 90 days so that plantings made in July will make you a corn crop. Our seed of Mexomer June is very select, hand-shelled and will satisfy every customer. Quart, 45c; gal., \$1.20, parcel post paid. Not prepaid—Qt., 35c; gal., \$1.

Mexican June (Genuine) This dependable variety, largely planted late in the spring throughout the entire Cotton Belt, originally came from Mexico. It is largely used for planting after oats and wheat. We do not advise sowing before May 1st if grain is wanted and can be planted as late as August 15th with good results. The stalks are usually short, although early plantings make stalks 12 to 15 feet high, leaves four to six feet long. The roots run deep and spread, so that it is a splendid drouth resister. Ears 8 to 9 inches long, grains short to medium, cobs medium in size, and while usually white, occasionally you'll find a red cob and a few blue grains. This apparent mixture of color is peculiar to many varieties of Mexican corn. Mighty fine for "roasting ears" for use right up to frost. Quart, 35c; gal., 90c; parcel post paid. Not prepaid—Qt., 25c; gal., 70c.

New Brazilian or Stooling This corn, as the name indicates, is inclined to stool, and one grain will produce, in many instances, more than one stalk. Each stalk bears two or three ears. The kernel ground and bolted by the same process as wheat, gives a fine flour that will make bread and biscuits. Makes excellent roasting ears. Pkt., 15c; qt., 50c; gal., \$1.50; parcel post paid. Not prepaid—Qt 40c; gal., \$1.25.

Ninety-Day Early Yellow

Dent A standard variety; quick maturing. Qt., 35c; gal., 75c; parcel post paid. Not prepaid—Qt., 25c; gal., 60c.

Tennessee Mammoth Yellow

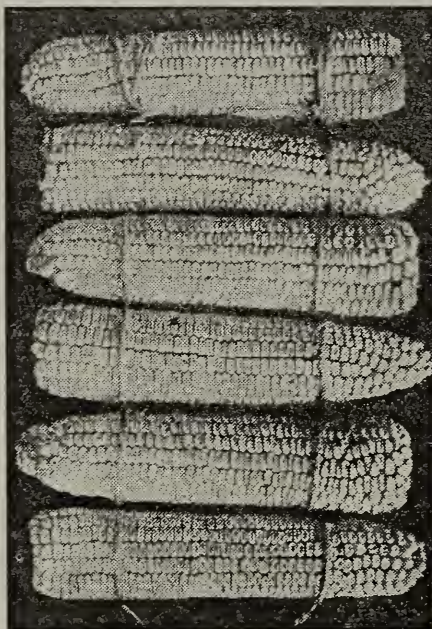
Also Southern-grown, large-eared yellow corn. Qt., 35c; gal., 90c; parcel post paid. Not prepaid—Qt., 25c; gal., 70c.

Pop Corn

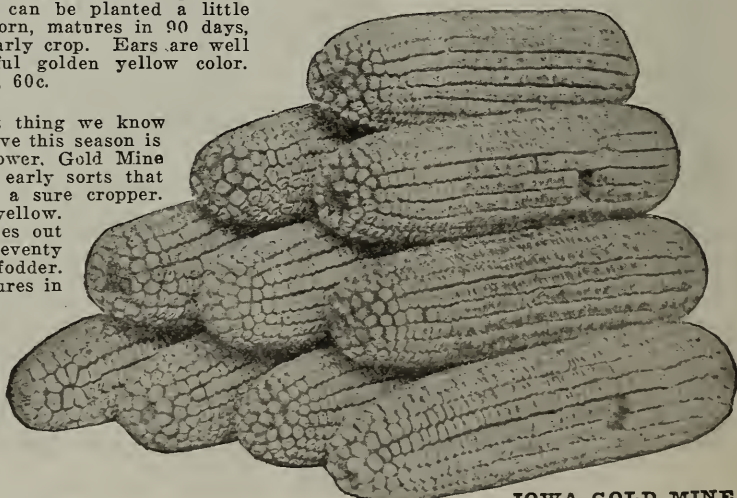
White Rice Very easily popped, tender and white; the best for the market. Pkt., 10c; 1 lb., 30c; parcel post paid.

Queen's Golden A beautiful golden color; pops large, very crisp. Pkt., 15c; 1 lb., 35c; parcel post paid.

Japanese Rice A great many people like to grow Pop Corn but there is so much difference in the popping qualities of the various varieties that one hesitates to offer anything in this line unless it has real merit. In this variety we have a dwarf growing corn, a heavy yielder of attractive ears, peculiar in form, but the grain is very similar to the best strain of White Rice Pop Corn. The ears are short and thick, and run very uniform. Of a pearly white and the grain is of excellent popping quality and flavor after being popped. Pkt., 15c; 1 lb., 40c; parcel post paid.



RUSSELL-HECKLE'S PRIDE OF THE SOUTH YELLOW



IOWA GOLD MINE

Inoculate All Your Legume Seeds With

Mulford Cultures

FOR LEGUMES

Legume crops (alfalfa, clovers, vetches, etc.) are best for cover crops. They keep your surface soil on your own farm and prevent its being washed away into some stream or on to your neighbor's land. They enrich your soil in nitrogen—the most important fertilizer, as well as the most expensive to buy.

Small Cost

Easy to Use

Large Returns

No Labor Expense

ALFALFA

SWEET CLOVER

WHITE CLOVER

RED CLOVER

ALSIKE CLOVER

COW PEAS

SOY BEANS

PEANUTS

VETCH

VELVET BEANS

SWEET PEAS

GARDEN PEAS

GARDEN BEANS

LESPEDEZA

AND OTHERS



MULFORD CULTURES will supply your legume crops with billions of nitrogen-collecting bacteria. These bacteria will be busy all Winter long gathering free nitrogen from the air and storing it in your soil for following crops.

Furthermore, MULFORD CULTURES will make your clover, vetches and other legume crops bigger stronger, healthier—will make them richer as feed crops and more profitable as fertilizing crops.

An inoculated cover crop planted each Spring will always keep your soil well supplied with humus and nitrogen—will insure your land against wearing out.

Successful inoculation depends largely upon the quality of the cultures used for that purpose. That is why we recommend MULFORD CULTURES, which are scientifically prepared and tested by experts in the biological laboratories of H. K. Mulford Company, Philadelphia, U. S. A., with the exacting care as Mulford Antitoxins, Serums, Vaccines, etc., which are standard all over the world.

MULFORD CULTURES contain enormous numbers of the desired nitrogen-fixing bacteria. The sealed bottles insure purity.

ALWAYS SPECIFY ON YOUR ORDER WHAT CROP YOU WANT TO INOCULATE, AS THERE IS A DIFFERENT STRAIN OF BACTERIA FOR EACH LEGUME

Prices

MULFORD CULTURES are supplied for the varieties of legumes listed, at the following prices:

5-Acre Size, \$5.00	----- ('A Dollar per Acre').	By Parcel Post	-----	\$5.25
1-Acre Size	-----	By Parcel Post	-----	1.60
1/4-Acre Size	-----	By Parcel Post	-----	.80
Small Size (supplied only in 3 varieties, for Garden Peas, Garden Beans and Sweet Peas	-----	By Parcel Post	-----	.40

FREE DESCRIPTIVE LITERATURE SENT UPON REQUEST

Russell-Heckle Seed Co.'s 1921 Big Dollar Collection

36 GOOD VARIETIES OF GARDEN SEEDS

\$1.00 buys the complete collection, all parcel post paid. At regular prices it is worth exactly \$2.25, but we want you to try our excellent seeds. One regular sized packet of each of the following sent to you for only \$1.00.

No.	No.	No.
1. Beans—Burpee's Stringless Bush	13 Cantaloupe—Rocky Ford	25 Parsley—Double Curled
2 Beans—Kentucky Wonder Pole	14 Lettuce—Big Boston	26 Radish—Ear. Scar. Turnip, White Tip
3 Beans—Henderson Bush Lima	15 Lettuce—Heckle's Bonanza	27 Radish—Early Long Scarlet
4 Beans—Lima Sieva, Pole	16 Mustard—Southern Curled	28 Rape—Dwarf Essex
5 Beet—Crosby's Egyptian	17 Mustard—Chinese Mammoth	29 Spinach—Curled Savoy
6 Cabbage—Early Flat Dutch	18 Onion—Large Red Globe	30 Squash—White Bush
7 Cabbage—Charleston Wakefield	19 Okra—White Velvet	31 Tomato—Early Detroit
8 Collard—Georgia White Cabbage	20 Peas—Early Alaska	32 Tomato—Stone
9 Carrot—Danver's Half Long	21 Peas—Telephone	33 Turnip—Large White Globe
10 Cucumber—Improved Long Green	22 Pepper—Chinese Giant	34 Turnip—Mammoth Purple Top Globe
11 Corn—Golden Bantam	23 Pumpkin—Kentucky Yellow Field	35 Watermelon—Kleckley Sweets
12 Corn—Early Surprise	24 Parsnip—Sugar Hollow Crown	36 Swiss Chard—Silver Beet

We also include 1 Copy of our Amateur Gardeners Guide with above Collection. We can make no change in assortment. Free on request, to our customers only, our 1921 Reference Calendar.

Selected Farm Seeds



A FIELD OF JAPAN CLOVER

ARE BEST QUALITIES OBTAINABLE, AND OUR CUSTOMERS CAN RELY ON THEM BEING TESTED FOR GERMINATION AND ABSOLUTELY FREE FROM ANY NOXIOUS WEEDS.

Grass and Clovers of all kinds are being more generally sown for hay, pasturage and soil-improving crops than any other legume crops or other grasses and forage crops. Clover not only makes fine hay, but improves your land to such an extent it more than pays for itself twice in fertilizer cost the following year. Lime is very necessary for success with Clovers; an application of from 1,000 to 2,000 pounds will add much to its growth.

Seeding Grasses and Clover Seeds The best time is from the middle of February to the middle of April. A good, firm seed-bed is of prime importance, and to secure this the ground should be well and deeply plowed some time previous to seeding if possible. It should then be harrowed and reharrowed several times, so as to put it in first-class condition. After the ground is in good tilth, the seed should be carefully sown, either by hand or using the Cahoon or Cyclone Broadcast Seed Sowers, and then cover by rolling, or, if a roller is not available, by a light or brush-drawn harrow. Rolling is, however, preferable, as it firms the soils and does not cover the seed too deep. Care should be taken not to cover the seed more than about an average of half an inch deep. Our Standard Bone Meal is the best fertilizer you can apply for grass and clover, as they are immediate and also lasting in their effect.

SOWING GRASS AND CLOVER SEEDS IN THE SPRING ON GRAIN WHICH WAS SOWN LAST FALL.—Grass and clover seeds can be satisfactorily sown in the spring on fall-sown grain crops, and the grain crops are materially benefited by the preparation necessary for covering the grass seed. The best method is to run a harrow over the wheat, oats or other grain crop, then sow the seed, and then run the harrow crosswise over the field, so as to give slight covering.

Lespedeza or Japan Clover Japan Clover is a promising crop throughout the Middle and Southern States. It grows rapidly practically anywhere. Once started it soon spreads and makes a steady growth of the finest and most nutritious pasturage, much relished by all stock. On stony hillsides or waste lands it will grow well, also on low or wet lands. It is a great crop and the wise planter will sow some no matter what the price. It should be planted at the rate of one bushel to the acre, during February and March, or even as late as April and into May. Sow it broadcast on growing grain, if you like. If sown on sod, the land should first be scarified with a disc harrow in order to give the seed a good seed bed. It thrives on very poor soils and continually improves them, at the same time yielding a highly profitable and nutritious forage. It will yield as high as four tons to the acre and frequently more. Many customers broadcast Lespedeza in February and March on both wheat and fall-sown oats. Price—1 lb., 50c; parcel post paid.

Melilotus or Sweet Clover Sweet Clover can be grown in all sections of the United States, and it has been proven that in many sections it is of value as a farm crop. It thrives on poor clay and poor sandy soil, but does best on limestone soil. On poor soils and where it is uncommon, the seed should be inoculated at the time of sowing. As the bacteria of the roots of the Sweet Clover can inoculate Alfalfa it makes it a valuable crop where Alfalfa is to be sown later. Sweet Clover must have a firm, well-prepared seed bed. It does best after corn on ground that does not need to be plowed using a disc or spike-tooth harrow to cover the seed. It can be sown either in spring or fall, and does best when sown alone; 20 to 30 pounds of hulled seed, or 30 to 40 pounds of unhulled, are sown to the acre. It is a vigorous grower and soil improver, especially on poor, worn-out land, where an ordinary crop will not grow. As with Alfalfa and Cowpeas, stock may not eat readily at first; but from the amount that is being fed in many states, it is apparent that their dislike is overcome. Sweet Clover disappears under ordinary mowings, as it lasts only two

years under such conditions, but if left to seed itself, will last ten to fifteen years. Price—Unhulled Seed, 1 lb., 50c; parcel post paid. Price—Hulled Seed, 1 lb., 60c; parcel post paid.

PRICES—On account of our catalog going to press before the market has been fully established on all Clovers, Alfalfa, Grass and Farm Seeds, we quote same in our catalog only in small lots. For current prices on larger quantities, see our Special Green Ink Sheet enclosed.



SWEET CLOVER.

R-H Co's Alfalfa Seed.

Alfalfa yields large crops in all parts of the United States. An efficient hay producer and soil enricher. It has been well said that if "Corn is King," Alfalfa is the "Queen of Forage Plants," which fact proves itself by the enormous increase in the sale of our Top Notch Brand Alfalfa Seed. Yet Alfalfa growing is in its infancy and we predict a vast increase in the acreage in the near future. Alfalfa is a true leguminous plant and is a perennial, staying on the land for many years. It sends down its long tap roots to the subsoil, whatever depth that may be—five, ten or even twenty feet—and uses the plant food contained therein. It is a great soil enricher, for the nodules on its roots are the home of bacteria that extract the nitrogen from the air and transform it into a valuable fertilizing element, also loosening up the soil and bringing up the mineral constituents from the lower layers of soil to be utilized later by shallow rooter crops. As a hay producer it surely has no equal when once established, as from three to four cuttings may be had in a season, according to conditions, totaling from four to six tons per acre.

Three things are necessary in growing Alfalfa: First, sweet soil—that is, soil free from acid. Sour soils can be made sweet by the application of lime. Second, the soil must be well drained. Soil which has been planted to corn or some other hoed crop for at least two years is necessary for Alfalfa. It should be thoroughly plowed and then harrowed at intervals of two or three weeks or as often as a crop of weeds appear.

The seed should be covered about 1 inch deep. This can be done to best advantage by using a horse weeder after which the ground should be rolled. Alfalfa is one of the leguminous crops and takes its nitrogen from the air, providing the soil contains bacteria, which is necessary to give it power.

The seed may be sown broadcast or in drills. If sown broadcast, use 20 to 25 pounds of seed per acre; in drills, 15 pounds. Sowings made in the Spring, March and April. A crop of hay may be secured the first season, and the field should be mowed several times, which, indeed, is an advantage, as the result will be that the plants will form a good root system, besides keeping down the weeds. When once established, will give four or five cuttings or from eight to ten tons of fine hay per acre each year. Stands the heat and drought when once established, and will last for forty or fifty years.

Fertilizing—Use 1,000 pounds of ground limestone, 400 pounds of Bonemeal fertilizer, broadcast, to each acre. Applying a coating of well rotted stable manure will be beneficial. The lime and Bonemeal are necessary; if you have tried Alfalfa, and it dried out, it was on account of need of these fertilizers. On old Alfalfa meadows use 600 pounds of Bonemeal fertilizer to the acre, broadcast. It stimulates it wonderfully.

When buying Alfalfa you want the best and purest seed obtainable. Cheap grades are apt to be adulterated with Yellow Trefoil, Bur Clover, Dodder, etc. We have several varieties of the very best, cleanest grade seed that is grown.

Hairy Peruvian Alfalfa

A very remarkable type, being extremely hardy and stays green longer than any other kinds for the fact that it takes on a slight fuzz in the winter which protects the plant. It does not show the fuzz in summer. It has large leaves to the very top of the plant. On account of its hardiness, it has a longer season, therefore, produces more hay to the acre than any other Alfalfa. Sown in the spring or fall broadcast, 20 lbs. to the acre. Price, 1 lb., 80c; parcel post paid.



A GOOD LOAD OF R-H. CO.'S DAKOTA NO. 12 ALFALFA



TOP NOTCH ALFALFA

R-H. Co's Top Notch Alfalfa

This is our best grade of domestic Alfalfa seed. Will test 99-50 per cent purity. The very finest quality and thorough recleaned. Lb., 50c; parcel post paid.

R-H. Co's Dakota No. 12 Alfalfa

This variety is the result of years of careful breeding and represents the highest type of Alfalfa. Dakota produces exceptionally hardy Alfalfa, practically immune to Winter-killing. Stands drought and heat as well. Recommended by Mississippi Experiment Station at Stoneville. Our seed is the genuine Dakota No. 12 stock. Lb., 60c; parcel post paid.

Disco No. 28 Alfalfa Another of the extra hardy Alfalfas coming from Dakota, the product of selective breeding by probably the best known Alfalfa breeders in the United States. Very hardy strain and productive. Lb., 65c; parcel post paid.

Grimm Alfalfa There has been a demand for Alfalfa that is more than the regular stock and it has been found that the Grimm Alfalfa has proven itself hardier and a better variety for many sections. Having the branching root system, while most all types have the single tap-root, consequently will stand all variations of temperature much better. Our stock is genuine Grimm seed. Lb., 80c; parcel post paid.

MULFORD CULTURES

We recommend and sell MULFORD CULTURES for Legumes to inoculate your Alfalfa, Clovers, Cowpeas, Soy Beans, Vetches and all other Legume Crops. Small Cost; Large Returns; Easy to Use; No Labor Expense. Prices—Mulford Cultures are supplied for the varieties of legumes listed at the following prices: 5-acre size ("A Dollar per acre"), \$5.00; 1-acre size, \$1.50; Garden size (1/4 acre), 75 cents. Why buy expensive commercial nitrates when you can grow legume crops and thus increase your yield, and at the same time increase the nitrates and enrich and renovate your soil by Nature's own method!

PRICES—On account of catalog going to press before market has been established on all field seeds, we are unable to quote quantity prices on this page. For current prices see Special Green Ink Price Sheet enclosed.



A FIELD OF RUSSELL-HECKLE'S RED CLOVER

R-H Co's Clovers

Red Clover, Common Medium or June Clover

Red Clover is so well known and extensively used that it is almost useless for us to take up very much space telling you its advantages but it is so valuable to the farmer and stockman that it will bear a little more description of its great value on the farm. Clover is second to none as a soil strengthening crop; adding fertility to the soil, making it possible to grow larger and better crops of corn and other grains. For soiling crop and green manuring it is invaluable.

It lives two years, grows about two feet high, makes two crops per year, yielding two to four tons of hay per acre. As a pasture, all animals thrive on it, particularly cattle, sheep and hogs; few pasture crops furnish as much grazing in a season as Red Clover.

The long roots penetrate deeply into the soil, gathering nitrogen from the air and storing it in the soil in the form of nodules on the roots, thereby providing rich food for crops of cereals, etc., which follow it, also improves the drainage which renders the soil more friable, increasing its capacity for holding moisture.

Sow in March and April broadcast 10 pounds of seed to the acre. Sowings can also be made in February, either on the snow or oat stubble. Price—1 lb., 50c; parcel post paid.

Alsike Clover

Alsike Clover grows thicker and is finer in growth than Red Clover, making hay and probably more and better grazing. It is also hardier, resisting extremes of heat and drouth and also severely cold weather to a remarkable extent. It succeeds on a variety of soils, light upland loamy lands as well as stiff bottom lands. The good qualities of Alsike are being appreciated everywhere, and it is particularly valuable for grazing and sowing in grazing mixtures. It is surer to give a good stand and make good crops than either the Red or Mammoth Clover, and in sections where these clovers have been uncertain, Alsike is growing rapidly, not only for sowing by itself, but also in mixture with red clover and grasses for grazing. The seed of Alsike Clover, being much smaller than the Red Clover, does not have to be sown too highly, and consequently it costs less to seed an acre than Red Clover. The quantity of seed per acre when sown alone is 6 to 8 lbs. When sown in mixtures with Red Clover, which is very desirable wherever Red Clover is sown, sow 3 lbs. Alsike and 8 lbs. Red Clover per acre. Price—1 lb., 55c; parcel post paid.

Crimson Clover

Makes excellent pasture, or if cut when in bloom will make good hay. Especially valuable for improving the soil, making a quick, heavy and very valuable crop for plowing under. Sow 15 pounds to the acre from July to November. 1 lb., 35c; parcel post paid.

White Clover

This is very largely used in lawn and pasturage mixtures, and is indigenous to the soils throughout this section. It makes a small, close compact growth, covering the ground like a carpet. Does well all through the South. Sow either in the spring or fall. When sown by itself, sow 5 to 6 pounds per acre; it is better, however, sown in mixture with other grasses. Price—1 lb., 85c; parcel post paid.

Spotted Burr Clover Sown in August and September. Makes superior pasturage, fair hay and grows on any thin land, and if turned under the following spring acts as a splendid fertilizer. Sow 20 pounds of burrs to the acre. Price quoted on application.

Mammoth Sapling, or Peavine Clover Very much like the common Red Clover, but larger, heavier and later. Recommended for thin soils. Sow 10 or 12 pounds to the acre. Price—1 lb., 60c; parcel post paid.

IMPORTANT—Deduct 10c on pound prices quoted parcel post in our catalog if you order goods shipped by express or freight.



ALSIKE CLOVER

TO INSURE SUCCESS WITH LEGUMES

Such as Alfalfa, all Clovers, Vetches, Cow Peas, Soy Beans, Etc.,

TREAT YOUR SEED WITH

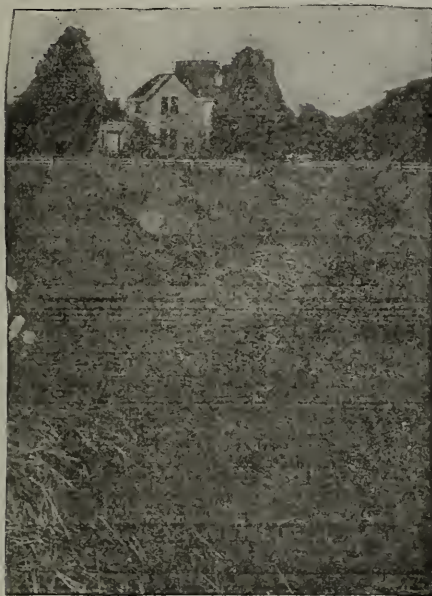
Mulford Cultures

FOR LEGUMES

See Page 35 for further information on this excellent bacteria.

PRICES

Account catalog going to press before spring market has been established on all field seeds, we are unable to quote prices on this page. For current prices see Special Green Ink Price Sheet enclosed.



TIMOTHY

Sudan Grass Another annual variety and must be sown every year. It is however one of the most remarkable forage crops grown. Sudan is probably the wild original form of the cultivated Sorghums. It is a tall annual grass growing under favorable conditions to a height of 6 to 10 feet, but when broadcasted thickly, it grows only 3 to 5 feet high. The stems are fine, the largest stalks seldom larger than a lead pencil. Where the plants are scattered, they stool abundantly, as many as 100 stalks coming from a single root. In general appearance, Sudan Grass is much like Johnson Grass, but they are entirely distinct, for Sudan Grass lacks root stocks, and therefore, never becomes troublesome as a weed. The stems are leafy, erect, and seldom lodging. The grass cures easily, making hay of excellent quality, which is readily eaten by all kinds of live stock.

How to Plant Use 5 lbs. per acre if in cultivated rows; 10 lbs. per acre in drills, and 20 to 30 lbs. per acre broadcast. It should not be planted until all danger of frost is past and the ground thoroughly warm, as the young plant is tender. Should be sown only on rich land.

Harvesting The crop should be cut as soon as the grass is fully headed, and early cutting is advised where crop is used for hay. If grown for seed it should be cut when the seed is ripe and fully matured. It may be harvested with a mower or grain binder. If planted in drills it can be readily harvested with a corn binder. When sown for seed it is best to bind it as it is much easier to handle in threshing. Price—1 lb., 25c, parcel post paid.

Red Top or Herds Grass Sow in February, March and April, eight to ten pounds to the acre. A valuable grass for moist soils. It is a good permanent grass, standing our climate as well as any other, an consequently well adapted to our pastures, on which it should be fed close, for if allowed to grow up to seed the cattle refuse it. On moist rich soil it will grow 2 feet, and on poor, gravelly soil about half that height. It has been grown successfully even on "Alkali" bottom lands, where other grasses failed. We do not handle the chaffy grade of Red Top, and offer only clean seed. Price—1 lb., 40c; parcel post paid.

PRICES

Account catalog going to press before spring market has been established on all field seeds, we are unable to quote quantity prices on this page. For current prices see Special Green Ink Price Sheet enclosed.

R-H Co's Prime Grass Seeds

"BILLION DOLLAR GRASS"

ESPECIALLY VALUABLE FOR SILO AND FOR FEEDING GREEN—BETTER THAN THE BEST CORN FODDER.

From Japan, that mysterious country, which is furnishing (and has furnished in the past) many rare farm seeds, comes this remarkable grass—remarkable in a hundred different ways, for there is nothing known to man today that is more luxuriant, more prolific, more marvelously rich and vigorous in growth than Billion Dollar Grass. It will produce a hay crop in from six to ten weeks, anywhere, and if sown the first of May it will be ready to cut the middle of July for hay.

Billion Dollar Grass is an annual therefore must be sown every year. It belongs to the Millet family but really makes a fine forage crop.

Cows, calves and other stock look with pleasure on the Billion Dollar Grass pasture and feed in contentment upon its luxuriant swath and glory in Billion Dollar Grass hay.

You can get two or three rich crops from the same annually, and then a big lot of fodder besides. If you sow early you will get from 26,000 to 50,000 pounds of fodder, which you can put in your silo or cure for hay. Billion Dollar Grass will quickly spring up again and give you another yield that will astonish

the country. This can be cut again for hay, then the field will give you a pasture all fall, and horses and hogs and sheep and cattle and poultry will eat it greedily. Sow in April, May and June on good soil, using 20 pounds of seed broadcast to the acre. Price, 1 lb., 35c; parcel post paid.

Timothy Eight to ten pounds to the acre. As a crop for hay, Timothy is probably unsurpassed by any other grass. It is greatly relished by all kinds of stock, especially horses. It yields more nutritive matter than any other grass or forage plant. It is not suited for a permanent pasture as it will, in the course of a few years, run out. It is, however, well adapted to early spring grazing, as it starts up quickly in the spring and in favorable weather can be pastured in the autumn as well. The largest crops of hay are raised on rich land. It is not suited for light, sandy soil as well as some other grasses. Price—1 lb., 35c; parcel post paid.



RED TOP, OR HERDS GRASS



SUDAN GRASS

RUSSELL-HECKLE TOP NOTCH SEEDS SEED COMPANY

MEMPHIS, TENN

R-H CO'S PRIME GRASS SEEDS (Continued)

Orchard Grass (*Dactylis Glomerata*).

Orchard Grass is a very vigorous grower, and yields large crops of excellent and most nutritious hay, and will last for years in increasing value with proper treatment. It is succulent and nutritious, and when mowed requires only a few days of seasonable weather to start it growing again, and usually two good crops of hay can be cut in a season. Orchard Grass is also exceedingly adapted as pasture grass, and also succeeds in shady situations, such as orchards, parks, etc., better than most other grasses. Orchard Grass succeeds and grows upon nearly all soils that are not saturated with water. It does not, however, on loamy uplands or moderately stiff soils, although it will succeed very well even on soils that are inclined to be of a sandy texture. It matures early, and is exceedingly adapted for sowing with Tall Meadow Oat Grass and Red Clover, and this mixture is very highly recommended. Orchard Grass fields can be kept in a continuous state of productiveness, provided a light seeding is made early each spring; should any bare spots appear in the field, an occasional top dressing of manure during the winter or ground bone or fertilizer early in the spring will fully maintain its productiveness. Orchard Grass can be sown either in the spring or fall, although it is best sown in the spring. Sow at the rate of two bushels per acre, or if sown with Red Clover $1\frac{1}{2}$ bushels of Orchard Grass and 8 lbs., of clover are the quantities usually sown. Price—1 lb., 45c; parcel post paid.



ITALIAN RYE GRASS

Sunny South Lawn Grass Mixture In the South and in other dry locations the use of ordinary lawn grass seed does not always produce satisfactory lawns. We have prepared a Special Mixture that is especially suited for these hot, dry locations, and with care and attention and regular watering Sunny South Mixture will produce satisfactory lawns under the most exacting conditions of weather and soil. Price—1 lb., 70c; parcel post paid.

Rhodes Grass

A wide blade, tender leaf Grass, succeeding well in the South. Can be used for hay and pastures. Heavy yielder. Best adapted to low, damp soil, stands severe frost, but if tops are killed, roots put out again. Grass best in spring or fall. Sow in April or May on well-prepared land, 8 lbs. of seed per acre. Do not cover seed but use roller or drag to firm the soil. Price—1 lb., \$1.10, parcel post paid.



Bermuda Grass

A Southern grass that delights in sunshine and warmth. It is extensively cultivated in this section of the country for lawns. Very valuable for pasturage as well as for hay crop. Grows vigorously during the hot summer months when other grasses are parched and dead. On good soil will furnish two or more cuttings and frequently four tons of hay to the acre. It is very difficult to eradicate when once well established. The seed should be sown in February, March and April at the rate of 8 to 10 pounds per acre. A rainy or damp day is the best time to sow. As the seed is small it should be lightly covered. They will remain dormant possibly 30 days in the ground until proper time to germinate. Sound, clean seed. Price—1 lb., 90c, parcel post paid.

Tall Meadow Oat (*Avena Elatior*.)

The roots of this descend deeply into the sub-soil, enabling it to withstand a protracted drought, and it is green all seasons of the year. Its early growth in spring makes it equal to rye pasture. It grows quickly after mowing, giving a denser and more succulent aftermath than any of the present popular cultivated grasses. Sow broadcast 25 to 30 pounds of seed to the acre. Price—1 lb., 60c; parcel post paid.



EVERGREEN LAWN GRASS

ORCHARD GRASS

Sow at the rate of 60 to 70 pounds per acre, or for small yards one quart to 300 square feet. Price—1 lb., 55c; parcel post paid.

Shady Spot Lawn Grass A special mixture of grasses adapted for shady situations. Price—1 lb., 60c; parcel post paid.

Permanent Pasture Grass Mixture Furnishes pasture all the season from early spring through the winter. Sow in early spring or fall, using $1\frac{1}{2}$ bushels to the acre. Price—1 lb., 40c, parcel post paid.

Permanent Meadow Grass Mixture A special mixture for a lasting hay crop. Sow in spring or fall, using $1\frac{1}{2}$ bushels to the acre. Price—1 lb., 40c; parcel post paid.

Permanent Hog Pasture Mixture A combination of mixed clover and best grass suitable for hog pasture. Sow in early spring or fall at rate of 1 bushel to the acre. Price—1 lb., 45c; parcel post paid.

Chicken Pasture Mixture A splendid mixture of grains, clover and grasses for green feed for chicken runs. Sow in February, March and September at the rate of 30 lbs. to the acre. Price—1 lb., 30c; postpaid.

Timothy and Alsike Mixed Suitable mixture for wet lands, furnishing good pasture and hay. Sow in early spring and fall 15 lbs of the mixed seed per acre. Price—1 lb., 45c; parcel post paid.

Russell-Heckle's Choice Seed Oats

Seed Oats Sow two bushels of any of the following varieties to the acre. Plant in February or March. Apply 300 lbs. of Duplex Basic Phosphate to acre at time of seeding. It will increase your crop.

Extra Early Burt, or Ninety-Day Oats

The quickest growing and most prolific yielding Spring Oats. The Extra Early Burt Oats handled by us is the genuine Tennessee grown stock. Is a sure header, coming to maturity ten days to two weeks earlier than the rust-proof or other varieties. Burt Oats are the best poor land oats known, also the safest and earliest to plant in the winter and spring. Thorough preparation of the soil should be made before sowing oats. No less than two bushels of Burt Oats should be sown to the acre, and where they are to be cut for hay three bushels will be found profitable. Prices quoted on Green Ink List enclosed.

Texas Red Rust Proof Oats

The strain of this popular old favorite that we have is direct from the best growers in Texas, which is considered the most reliable for Southern planters. The grain is heavy, bright, and of fine quality. Prices quoted on Green Ink List enclosed.

Genuine Fulghum Oats

Very hardy, rust proof, very heavy grain. Prices quoted on Green Ink List enclosed.

Cane

Texas Seeded Ribbon Cane

This Cane gets its name from being a variety that closely resembles the true Ribbon Cane, raised from cuttings. It makes the finest kind of syrup. Price—1 lb., 30c; parcel post paid.

Japanese Honey Cane

This variety of Cane is without a doubt the best all-around Cane for the Southern farmers. It is the very best syrup producer of all of the varieties and is also a splendid forage crop for green feeding, making excellent hay if sown in drills very thick, and may be planted any time between April and August. It grows 10 to 12 feet high and is very prolific, sometimes producing five to seven stalks from one seed. Matures about the middle of August to October, owing to time of planting, but will keep green and stand, if desired, until killed by frost, allowing the farmer to take his own time to harvest for

syrup. As a syrup producer it has no equal, being exceedingly juicy and sweet, making from 200 to 400 gallons per acre, highly flavored. Price—1 lb., 30c; parcel post paid.

Early Orange

A variety well adapted for the South. It is from 8 to 10 days later than the Early Amber, and produces a syrup of excellent quality. Price—1 lb., 20c; parcel post paid.

Early Amber

Farmers and stockmen say that the Early Amber is the most valuable fodder plant in existence. It is profitably grown from Manitoba to Mexico on any good corn ground, and is but little affected by drouth. Price, 1 lb., 20c; parcel post paid.

Red Top Sorghum

Grown extensively in middle Tennessee. Very sweet and one of the best for hay. Price—1 lb., 25c; postpaid.

PRICES

Account catalog going to press before spring market has been established on all field seeds, we are unable to quote quantity prices. For current prices see Special Green Ink Price Sheet enclosed.



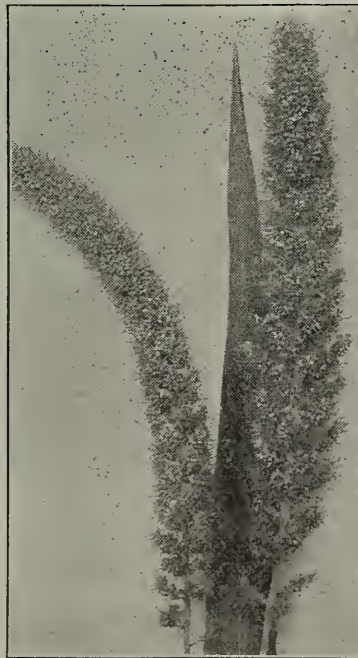
EARLY BURT OR NINETY-DAY OATS

Millets

Tennessee Golden Millet

Our Southern Grown Millet makes much better growth than the Western grown seed. This true Tennessee grown, a type that produces better quality, grows taller and gives a larger yield of very nutritious hay, is a quick grower. It should be cut for hay

when it begins to show the heads. Plant $1\frac{1}{2}$ to 2 bushels to an acre broadcast. Plant from April to August. The sowing of Southern Millet with cowpeas for a hay crop is increasing in favor each year. When this is done, use an early variety, such as Whippoorwill or New Era, sowing about $\frac{3}{4}$ to a bushel of millet with one bushel of peas to an acre. Price—1 lb., 25c; parcel post paid.



TENNESSEE GOLDEN

Pearl or Cat-Tail Millet

It is largely used by dairymen. Furnishing them green food throughout the summer. Should not be planted before May in warm soils, as it is a tropical plant when it has reached the height of three to four feet, when it will stool out enormously and make a rapid growth. In this way 3 or 4 cuttings a season can be obtained. It can be fed either green or cured as dried forage, making a most nutritious feed which is relished by all kinds of stock. Sow 5 lbs. per acre in drills 3 feet apart or broadcast at the rate of 20 to 30 lbs. per acre. Price—1 lb., 50c; postpaid.

Siberian Millet

Siberian Millet is regarded as one of the best varieties for general cultivation in the Western States. It matures about the same as Common and Hungarian Millet and has been successfully grown in sections where the season is too short to mature a corn crop. Probably no variety of Millet produces a heavier yield, or better quality of hay. Its abundant growth, combined with a leafy character of stalk and drouth-resistant qualities has brought it into high favor. Price—1 lb., 30c, parcel post paid.

Hungarian Millet

For good, low grounds on rich soils this makes even a more valuable crop than the Golden Millet. It is of fine growth and makes excellent hay. Price—1 lb., 25c; parcel post paid.

Western Golden Millet

This variety is very similar to the Tennessee Golden; however, it does not produce quite as much hay, and the heads are not quite so large—Price 1 lb., 20c; parcel post paid.



TEXAS SEEDED RIBBON CANE

RUSSELL-HECKLE TOP NOTCH SEEDS SEED COMPANY

MEMPHIS, TENN

CANE (Continued)

Egyptian Wheat or Shallu A valuable new grain, entirely different from wheat. The heads are large and heavy. All stock love it, and do well on it. With milch cows it is superior to cotton seed for milk and butter. It makes hens lay better than any poultry food. The plant produces more and better fodder than cane. It will stand more wet or dry weather than maize or cane. We don't believe there is such a thing as failure with it. Plant in drills 3 feet apart, using ten pounds of seed per acre, or broadcast, using from two to four bushels. Price—1 lb., 35c; parcel post paid.

Feterita This wonderful new non-saccharine sorghum is somewhat similar to Kaffir Corn, with the exception that the grains are somewhat larger and softer than Kaffir Corn, and it is preferred by many on this account for feed in the head. It is about three or four weeks earlier than Kaffir Corn, and has made good crops this season beside the same fields planted with Kaffir Corn, while the Kaffir Corn produced very little, if anything. It is undoubtedly the most drouth-resisting of any of the sorghum family. Sow in April or May, in drills, 3 lbs. to the acre. Price—1 lb., 25c; parcel post paid.

Schrock Kaffir-Sorghum Shrock Kaffir-Sorghum is unlike other grain sorghums for the reason that the seed will germinate readily when the ground is cold, and this is a great advantage in getting early feed and ensilage for silos. The seed should be sown in rows 3 feet apart; 3 lbs. of seed is sufficient to plant an acre. For the best results it should be planted as early as corn. If planted early it will make three to ten heads on every plant. Plant the seed at least 2 inches deep. Price—1 lb., 35c; parcel post paid.

White Kaffir Corn Grows 4 to 5 feet high. The stems are very leafy and keep green and brittle, unlike other sorghums, which harden. Make excellent fodder, either green or dried. For grain, sow 5 pounds to the acre, in rows 3 feet apart. For fodder, sow from one-half to one bushel, either broadcast or in drills. Price—1 lb., 25c; parcel post paid.

Red Kaffir Corn Grows taller than the white; stalks slender, juicy and very leafy. The seed is red, smaller than that of the white, and hard and brittle. Ripens earlier than that of the white and yields much heavier. Price—1 lb., 25c; parcel post paid.

Yellow Milo Maize A non-saccharine sorghum of high value; cultivated like corn. It is a vigorous grower, of deep green color, attaining a height of 8 or 10 feet. Some stalks develop 20 heads. The seed is fed to horses, cattle, chickens, etc. It will mature its main head in 100 days and will continue growing until frost. Plant in April, May or June 4 to 5 pounds of seed to an acre in drills. Price—1 lb., 25c; parcel post paid.

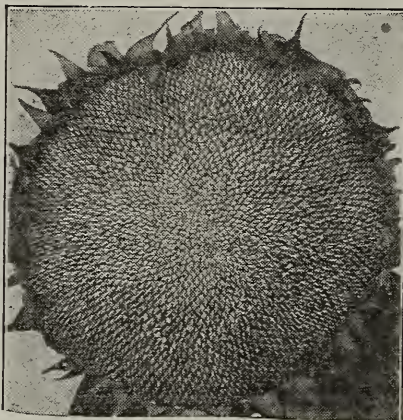
Teosinte

A Most Valuable and Enormous Yielding, Continuous Cutting Forage Crop.

We strongly recommend to our customers who have not done so to sow this splendid forage crop. If a sufficient quantity is sown it will furnish a continuous daily supply of most nutritious green feed for horses and all kinds of cattle all through the summer. It also makes splendid dry fodder, yielding enormously and being more nutritious and even better relished by all kinds of stock than corn fodder. In appearance it somewhat resembles Indian corn, but the leaves are much larger and broader, and stalks contain sweeter sap. It produces a great number of shoots, very thickly covered with leaves, yielding an abundance of forage. It stools out enormously after being cut, as many as forty-five stalks having been grown from a single seed. The first cutting can be made when it is 2 or 3 feet high. Sow in May or June at the rate of 2 or 3 lbs. per acre in drills 3½ to 4 feet apart. Price—1 oz., 10c; ¼ lb., 30c; lb., 90c; parcel post paid. Write for prices in larger quantities.



FETERITA



MAMMOTH RUSSIAN SUNFLOWER

Barley

Champion Beardless Barley

Champion Beardless Spring Barley is the earliest heaviest yielding and hardest variety of beardless barley. It is beardless, therefore it is as clean and easy to handle as oats. Can be fed with safety to any stock. It is a very heavy cropper, yielding commonly 40 to 60 bushels per acre, which makes it a very profitable crop to raise. Sow 1½ to 2 bushels per acre. Price—3 lbs., 70c; parcel post paid.

Mammoth Russian Sunflower

A more profitable or important crop can hardly be raised. The seed is highly valued by farmers and poultry breeders, who have tried it. The hens will fatten on it and lay more eggs than on any other food. Single heads measure from 12 to 22 inches in diameter, and contain a lot of seed, which can be raised much cheaper than corn. The stalks make good fire wood. Many farmers are now profitably growing sunflower for silage. Plant three pounds per acre. Price—1 lb., 30c; 3 lbs., 75c, parcel post paid.

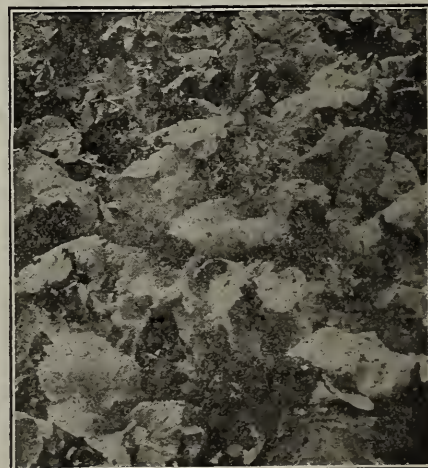


EGYPTIAN WHEAT OR SHALLU

Dwarf Essex Rape

The Most Profitable Pasture Plant in Existence
Rape is one of the quickest and cheapest pasture crops for sheep, young cattle, poultry and hogs. One acre of Dwarf Essex Rape will pasture more hogs, cattle and sheep than six acres of grass or clover. As a healthy, fattening pasture food it has no equal. It stands without a rival in cheapness and effectiveness.

It is an annual, bearing a close resemblance in leaf and stalk to the Rutabaga, but both leaves and stalk are more numerous in the Rape plant, and of a taller habit of growth. It is a pasture plant which may be eaten off by any kind of live stock, but it is pre-eminently fitted to furnish pasture for sheep, cattle and swine. A good crop will furnish at least 12 tons of green food, and its nutritive value is twice that of clover an acre. One acre of well grown Rape will furnish pasture for twenty head of sheep, for two months, and will fatten them in good form for market. Dwarf Essex Rape thrives best on a good soil, rich in vegetable matter. Slough lands are excellent. This plant may be grown successfully in the following ways, viz.: 1. In the early spring to provide pasture. 2. In June or July, on well prepared land, to provide pasture. 3. Along with grain, using 5 lbs. of seed an acre, to provide pasture for sheep after harvest. 4. Along with peas, oats, clover seed, to provide pasture to get a 'catch' of clover. 5. As a cover. Price—1 lb., 25c; parcel post paid.



DWARF ESSEX RAPE

Soy or Soja Beans

Soy Beans and Cow Peas Should Be Inoculated With Mulford Culture.

In addition to the fact that Soja Beans make one of the best of summer forage crops and are splendid soil-improvers, they are coming rapidly into use and popularity for use as table beans, and also for canning, the same as navy beans for "pork and beans." They are also being very largely used for the extraction of oil for commercial purposes. Their uses for these purposes have increased their popularity to a wonderful extent.

This increased demand is causing them to sell at much higher prices than they have in the past, and it is making them one of the most profitable crops for our Southern farmers to grow for a crop of beans.

The increased use of Soja Beans is likely to continue, and we recommend the growing of this crop to our Southern farmers as likely to prove very profitable in the future. They are also a particularly valuable crop for growing in boll weevil sections in place of cotton.

Culture The land should be prepared as for cow peas, and the seed planted in drills at a sufficient distance to permit one or two cultivations. One bushel of seed will plant two or three acres, the amount depending on the distance between the rows. The planting should be shallow, never more than two inches, or many of the seed will decay. This is a very important point to remember. Inoculation with soil from any old soy bean field is not usually necessary. If wanted for hay the crop should be cut when the upper leaves begin to turn yellow, but if wanted for seed the gathering should be delayed until nearly all the leaves have fallen. The hay is easily cured and is nearly as nutritious as alfalfa hay. The seed planted in drills at a sufficient distance to permit cultivation, using from 25 to 40 pounds per acre. It is also sown broadcast at the rate of one bushel to the acre. Soy Beans may follow a crop of rye or barley. Sowing thickly will prevent the stalks from growing too coarse, and will enable them to be harvested and cured to better advantage. Drill in corn rows. One peck to the acre will help the soil and make fine hog pasture.

Mammoth Yellow Soy Beans

The largest growing and most popular of Soja Beans for forage purposes. A little later in maturity than other kinds, but makes larger yields, both of forage and seed. Price—1 qt., 35c; postpaid.

Mammoth Early Black Tar Heel Soy Beans

Very early, ready to cut in 90 to 100 days, has large heavy foliage, valuable on this account, producing a heavy yield of hay and beans. The beans are 20 per cent larger than the Hollybrook Early. Very popular in the southeastern states. Sow one-half bushel to the acre. Price—Qt., 45c; parcel post paid.

Mixed Soys and Cow Peas

For hay and pasture better than when sowed separately as the Soy Beans hold upright the twining Cow Peas, therefore, the crop can be easily handled. No better hay on earth than this combination. Sow broadcast 1½ bushels to the acre. For prices, see Green Ink List enclosed.

INOCULATE SOY BEANS AND COW PEAS

Whether growing them alone or in mixture, inoculate with Mulford's Cultures.



A FIELD OF GEORGIA BUSH VELVET BEANS

Comparing Soy Beans and Cow Peas

Soy Beans and Cow Peas although alike in many respects differ as follows: Soy Beans will stand the frost that would be fatal to Cow Peas and continue to grow. They are better yielders of grain than the Cow Peas and plants are erect and easier to cut. An acre of Soy Beans is 50 per cent greater in feeding value than an acre of Cow Peas. Unlike Cow Peas Soy Beans mature all the pods at practically the same time. On the other hand, Cow Peas will succeed on a very poor soil that will not support Soy Beans. They will stand a greater degree of drought. They ripen their seed a little earlier as a rule and are better for choking out weeds.

Velvet Beans

Makes an Enormous Growth of Foliage; the Greatest Soil-Improving Crop Grown—At the Least Expense.

Velvet Beans make an enormous growth of vines; greater, in fact, than any other known forage plant, in the same length of time, far surpassing the cow pea in yield. Velvet Beans are usually planted in rows four or five feet apart, at the rate of about half a bushel per acre. As a soil-improver they are considered superior to cow peas, as they make so much larger growth and so much heavier amount of foliage. The proportion of nitrogen contained in the vines is about the same as in cow peas, and as the yield is so much greater, the total amounts of nitrogen and humus added to the soil are correspondingly larger. A crop of three tons will add much nitrogen to the soil as will a ton of cottonseed meal, while the amount of humus will be three times as great.

Also makes splendid, nutritious fall and winter grazing. In the South Velvet Beans are used very largely for winter grazing, and for that purpose it is one of the best crops that can be grown on the light soils and in the long season of the Gulf Coast and Florida. The crop should be allowed to grow until December or until killed by frost, after which it can be grazed through the winter, as the vines, leaves and pods decay very slowly, and remain palatable a long time. Early in the year the crop remaining on the ground is usually plowed under as a soil-improver, and adds very materially to the condition and productiveness of the soil.

90-Day Velvet Beans This new Velvet Bean is creating a sensation wherever it is planted. It is the quickest growing and earliest maturing of the Velvet Beans, and is well adapted for growing in districts further north than Velvet Beans ordinarily have been grown. It will succeed and mature from Tennessee southward, and will make a large growth in more northerly sections, even where it does not mature the seeds. It makes a wonderful soil-improver and forage crop and the best of grazing for cattle, and is, in our opinion, destined to very largely take the place of other Velvet Beans all through the East and Middle South. Prices on application.

Osceola This newest velvet bean has several advantages over the early speckled varieties. It is free from the stinging fuzz or velvet on the pods, which makes the other varieties very unpleasant to handle. It has larger beans and pods, making them less expensive to gather, and is also much earlier than most of the others. Prices on application.

Georgia Bush Velvet Beans

Grows up and stands sturdily as a bush, distinct entirely from the twining variety. The upright bush grows 3½ feet high with limbs branching from the bottom. Planted in the middle of five foot corn rows it fills the whole middle and does not interfere or strangle the corn.

Can be grown for Hay and the seed sown broadcast up to June 1st makes three times as much hay as Cow Peas. Also fine for winter grazing. Stock likes it better than the vining varieties. The seed is a little smaller and darker than the seed of the 100-day Speckled Velvet Bean. The pods are a little shorter and they have no stinging whatever, a very desirable feature.

Do not fail to plant the new bush Velvet Beans. We know you will like them.

For hay, sow one bushel broadcast per acre in May or June. In the corn plant about April 15th. After the corn is up, in the middles about one-half peck per acre. Price—Qt., 75c; parcel post paid.

PRICES.

Account catalog going to press before spring market has been established on all field seeds, we are unable to quote quantity prices. For current prices see Special Green Ink Price Sheet enclosed.



A FIELD OF COW PEA HAY

Peanuts

Culture Prepare the ground well, laying it off in rows with a shovel plow; the rows should be $3\frac{1}{2}$ feet apart, and put two kernels to the hill, which are about one foot apart. Cultivate thoroughly and keep the land as level as possible. One and one-half bushel of unshelled nuts will seed an acre.

Spanish In addition to their value for growing for nuts, these are very largely used in the South as a forage and fattening crop for hogs and other stock. They are early to mature, very productive, and in the far South, where they can be planted during March and April, two crops can be made in one year, the second crop being planted early in July, the tops making a hay crop and the nuts a grain crop. They grow more compact than the Virginia Peanuts, making it possible to grow them closer, making the cultivation easier also. This variety frequently yields sixty bushels of marketable peanuts and two tons of hay per acre. Price—1 lb., 30c; postpaid.

Tennessee Red The finest variety grown. Especially adapted to the black, waxy land as well as the sandy soil. The nuts contain three large kernels in each and are enormously productive. Price—1 lb., 35c; parcel post paid.

Valencia This is the large improved Spanish Peanut, having 3 to 5 large, rich, sweet nuts in each hull. These need the best land and plenty of acid phosphate. When properly selected and sold as parched peanuts, they bring the highest prices. Price—1 lb., 40c; postpaid.

Mammoth White Virginia Largest size; white variety. Price—1 lb., 35c; parcel post paid.

Cow Peas

Sow in May, June and July, at the rate of one to one and one-half bushels to the acre.

The value of cowpeas as a soil enricher is now well known. As fast as farmers understand the advantages of this plant as an agency through which the value of their land may be greatly increased, there will be more successful farmers and more profitable farms. It adds nitrogen to the soil at less cost than by any other method. Cowpeas make excellent hay.

Prices on Cow Peas given on application. Let us know how many you will need.

Whippoorwill A favorite early bunch-growing variety. Seed is reddish brown speckled. A great favorite on account of its early maturity.

New Era An early, upright-growing variety; the seed is smaller. It is not inclined to run. Matures in sixty to seventy-five days.

Black Stock This is a large, late-vining variety. The vines grow very long. Best for thin land.

Clay Very similar to the Unknown, but earlier; vigorous growth, very popular.



SPANISH PEANUTS

Red Rippers Peas One of the most prolific varieties of Cowpeas. Vines grow long; makes an abundance of hay.

Wonderful or Unknown Peas On account of the great growth of the vines, this variety is especially valuable. Matures late and requires a full season to give best results.

Brabham Peas One of the best and most productive in growth and yield of shelled peas. It is a small, hard, speckled pea, about the size of the Iron and New Era. Will make two crops.

Mixed Cowpeas Preferred by many farmers where the crop is intended for soil-improving; they will grow thicker than separate varieties, producing better crop of vines and forage.

California Large White Black Eye Peas This variety is not only valuable as forage and soil-improving crop, but the dried peas are readily salable as table peas during the winter.

White Cream or Lady Peas Fine for table use and a great soil enricher. Peas are small in size. Very prolific. Better to eat than Black Eyes.

Crowder Peas Very prolific and an excellent variety for table use

Field Beans

White Navy Largely grown in many sections as a commercial bean. Vines are very prolific, producing a large quantity of shelled beans per acre. Cultivate the same as Marrow Beans. Price—Qt., 60c; parcel post paid.

Tepary One of the most wonderful plants ever presented to the dry farming public. It will make a fair crop in 75 days, and a good crop if they have 90 days. If struck by drouth it will ripen the pods already set and when the drouth breaks it will set and ripe a new crop. Under ordinary conditions, they yield from 400 to 700 pounds per acre. The beans are white, cook well, have a delicious flavor. Price—Qt., 65c; parcel post paid.

Mexican Pinto This is a popular bean in Mexico, and should be grown more largely here. As a table bean it is excellent, both as a dry and green shelled bean. This bean has found great favor wherever tried, especially in Texas. Price—Qt. 65c; parcel post paid.

Red Kidney The good old-fashioned baking bean. The beans are of large size and very rich flavor. Price same as White Navy.

SPECIAL NOTICE

PRICES—On account of our catalog going to press before the market has been fully established on all Clovers, Alfalfa, Grass and Farm Seeds, we quote same in our catalog, only in small lots. For current prices on larger quantities, see our Special Green Ink Sheet enclosed.

Buckwheat

Sow three pecks to one bushel to the acre.

Buckwheat is not considered exhaustive to the soil. As a mothering crop, where the land contains objectionable weeds, it is very desirable, and it puts the soil in admirable condition for any crop that is desired to use for rotation.

It can be sown so late as to prove a profitable second crop to follow early peas, potatoes, etc. Good pasturage for bees.

Japanese It proves to be two weeks earlier than Silver Hull, both being planted at the same time. Kernels are peculiar and distinct. Makes a superior grade of flour.

Silver Hull Grain silvery gray in color. Rounder than common buckwheat, is earlier, has thinner husk, and yields more. Price, either variety, 1 lb., 25c; parcel post paid.

The Vetches

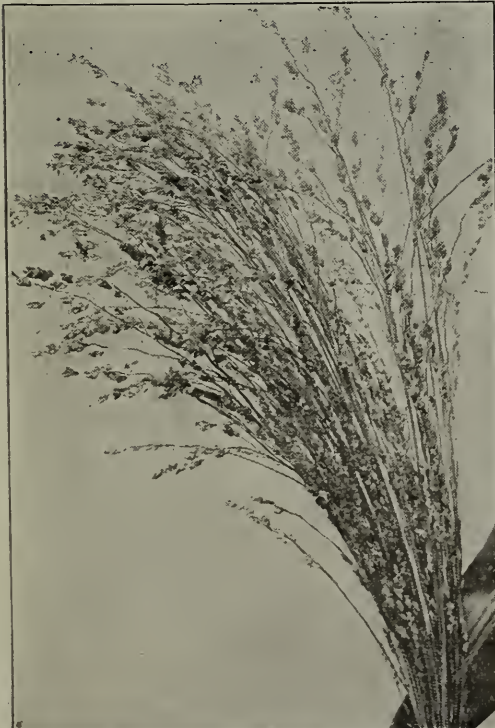
Augusta Vetch This, like Field Peas, is used for both green fodder and for plowing into the soil. In this latitude it can be sown only in the spring and is more largely used in this season than the Hairy Vetch, which may be sown either in the spring or fall. Thriving better on rather poor soil than Canadian Peas, its use is rapidly increasing as a green fodder crop. Price—1 lb., 30c; parcel post paid.

Hairy Vetch This valuable forage plant yearly attracts more attention. It is one of the most nutritious of all vegetable products. For pasturing or feeding as green fodder it is very valuable, and nearly equal to clover for fertilizing. Sown with grain it requires 1 peck of seed to each acre. Sow in September and October. Price—1 lb., 40c, parcel post paid.

Broom Corn

Improved Evergreen An excellent variety of good length, has fine, straight straws and of greenish appearance after being cut. Sow in April, 1 gallon to the acre. Price—1 lb., 25c; parcel post paid.

Oklahoma Dwarf Straight, stiff stems and leaf; markets readily, as it never shows any crooked or bent straw. Price—1 lb., 30c; parcel post paid.



EVERGREEN BROOM CORN



JAPANESE BUCKWHEAT

Miscellaneous

Speltz Grows tall like Rye and matures early like Barley. Makes an enormous yield of grain and straw. All kinds of stock will eat it greedily. The straw is considered by a great many to be nearly as good as hay. Makes good pasture. Stands drouth better than other grain. Sow at the rate of 75 to 100 pounds per acre. Price—1 lb., 25c; parcel post paid.

Upland Rice A valuable crop, more easily grown than corn, and is relished by all kinds of stock. Prepare the land and cultivate as for corn, using a bushel of seed per acre. Plant the seed in drills 24 inches apart. Price—1 lb., 50c; postpaid.

Flaxseed Sow in April or May, 30 lbs. per acre. Price—1 lb., 25c; parcel post paid.

Artichoke Jerusalem Excellent for fattening hogs; plant in rows 4 feet wide, any time in March and April, dropping the tubers 18 inches apart in the row; immensely productive; 3 bushels will plant an acre. Price—1 qt., 35c; parcel post paid.

Spring Wheat A beardless good yielding Spring Wheat. Sow 1½ bushels per acre, as early in spring as possible. Price—1 lb., 30c; postpaid.

Castor Beans Are largely grown in the South. Will do well on any good corn land. One bushel plants 15 acres. Price—1 lb., 60c; postpaid.

Chufas Much used to fatten hogs. Plant in April, 12 inches apart, in 3-foot rows. Should be soaked before planting. One peck of seed per acre. Price—1 lb., 40c; parcel post paid.

Giant Beggar Weed This plant will grow on land where other vegetables will not thrive, and is bringing thousands of acres of land in Florida into cultivation, where the thin, sandy soil exists. The seed should be planted from April to July. It may be sown broadcast like Millet, or may be planted in drills. Its growth attains a height of about two or three feet, while on rich ground will grow much higher. Ten to fifteen pounds are usually sown to the acre. It can be sown in corn at the last plowing and will afford a splendid pasture for hogs, cows, horses and other livestock. Price—Per pound, by mail, postpaid; clean seed, 75 cents. For large quantities, write for special price.

A FIRM SEED BED IS OF FIRST IMPORTANCE

In seeding both Clover and Grass Seeds, it is always better to prepare the land some time previous to seeding. The land should be well and deeply plowed and then harrowed and re-harrowed, so as to have the surface as fine as possible; then sow your Grass and Clover seed, covering with a light or brush harrow, or a roller is best if the ground is not too wet. Grass and Clover seeds should not be covered more than an average of about half an inch deep, and if sown on land that is too freshly prepared, or is not well prepared, it is almost impossible to prevent deeper covering. Our experience is so strongly in favor of a firm, well prepared seed bed, that we feel we cannot urge it too strongly upon our customers as of first importance if you desire good stands and good crops of Grasses and Clovers.

OUR COTTON SEED WILL PLEASE YOU

Marianna, Ark., Oct. 14, 1920.

Russell-Heckle Seed Co., Memphis, Tenn.

Gentlemen:—I am writing you a letter to let you hear from me about the Webber-82 Cotton Seed that I ordered from you in April. I ordered 700 pounds from you and planted them the second week in May. It has made over a bale to the acre. It is the best cotton that I have ever raised and I have been farming here in the bottoms about 23 years and I will always raise from now on the Webber-82.

Yours very truly, S. L. GIBSON.

Nursery Department

Orders for trees will be filled as soon as weather permits. It usually requires eight to ten days to get the stock from our nursery. Remember, we will give your order attention at the earliest possible moment.

Set our small trees. They are more certain to grow and will bear fruit just as early as any larger or older tree. It is a mistake to reset any tree older than two years.

Our trees are first-class, superior to any stock that has been raised in this section. We represent one of the largest and most reliable nurseries in the South.

Terms are strictly cash, F. O. B. Memphis. No trees shipped C. O. D.

Apples

SPECIAL NOTICE—If out of the variety ordered, do we have your permission to substitute equal or better in the nearest we can supply? Advise us.

Plant 25 to 35 feet apart each way, according to soil.

First Grade, 4 feet and up, each 90c, 6 for \$5.00.

Ten of the Best Apples for the South.

Early Harvest Yellow, medium to large size, fine flavor. A sure and abundant bearer. The most profitable early Apple in this section. Ripens 10 days later than Red Astrachan.

Horse (Yellow Horse). Large greenish yellow; acid; a good bearer. Widely known throughout the South. July-August.

Hackworth Tree a very strong grower, adapted to a wide range of soils and elevations. Fruit medium to large, of good appearance and quality. Begins ripening in July and continues through August.

Carolina Red June Well known throughout the South. Medium size, oblong; deep red. Middle of June to end of July.

Winesap One of the most dependable late Apples for the general South. Small to medium size; fine, dark red; flesh crisp. An excellent keeper.

Delicious A very popular Apple in the West and Northwest. Very large, oblong; color rich crimson shaded to yellow; fine grain, juicy; a fine keeper and shipper. Not yet thoroughly tried out in the South.



ABUNDANCE PLUM

Yates A small Apple, but one of the surest croppers, heaviest bearers and best keepers. Dark red with white dots; flesh yellow, crisp and good.

Stayman Winesap A seedling of Winesap, but a stronger grower and better adapted to thin soils; much like Winesap in size and appearance, but of better quality.

Mammoth Blacktwig From Lincoln county, Tennessee; very large; dark red; yellow flesh. good keeper and always a good seller; productive.

Hyslop Crab Apple Golden yellow with rich crimson cheek, nearly all crimson when mature; crisp, yellow flesh; makes the best Crab Apple jelly ever. Late August or September.

Plums

Plant 15 to 25 feet apart.

First grade, 4 feet and up, each \$1.25, 6 for \$7.00

Red June or Red Nagate.

Of medium size, pointed; thick skin of purplish red color; flesh yellow, solid, rather coarse grained, juicy; very prolific. Matures about the middle of June.

Burbank Similar in all characteristics to Abundance, except that it is more globular. Of cherry-red color, mottled with yellow.

Wickson A Plum of large size and distinct, pointed shape. Of high quality-purple when matured. Because it blooms so early it is often killed by late frosts in this section. Ripens last of July.

Abundance Large size, matures early; bright red, sweet and juicy.

Shropshire Damson European type. Of larger size than the old Blue Damson. Dark purple; good quality. In great demand for preserving. August.

Cherries

Plant 18 to 25 feet apart.

First grade, 4 feet and up, each \$1.25; 6 for \$7.00

Governor Wood Good size; clear, light red; tender and juicy. A customer on Mission Ridge, near Chattanooga, reports this variety as successful there.

Large Montmorency The best Cherry for general planting. Very productive. Large size; rich red; follows Early Richmond. Tree a strong grower and a sure bearer in this section.

Early Richmond Medium in size, light red; acid. Profitable here. Ripens last of May.

Black Tartarian Large, purplish black, a pleasant flavor.

Compass Cherry Plum

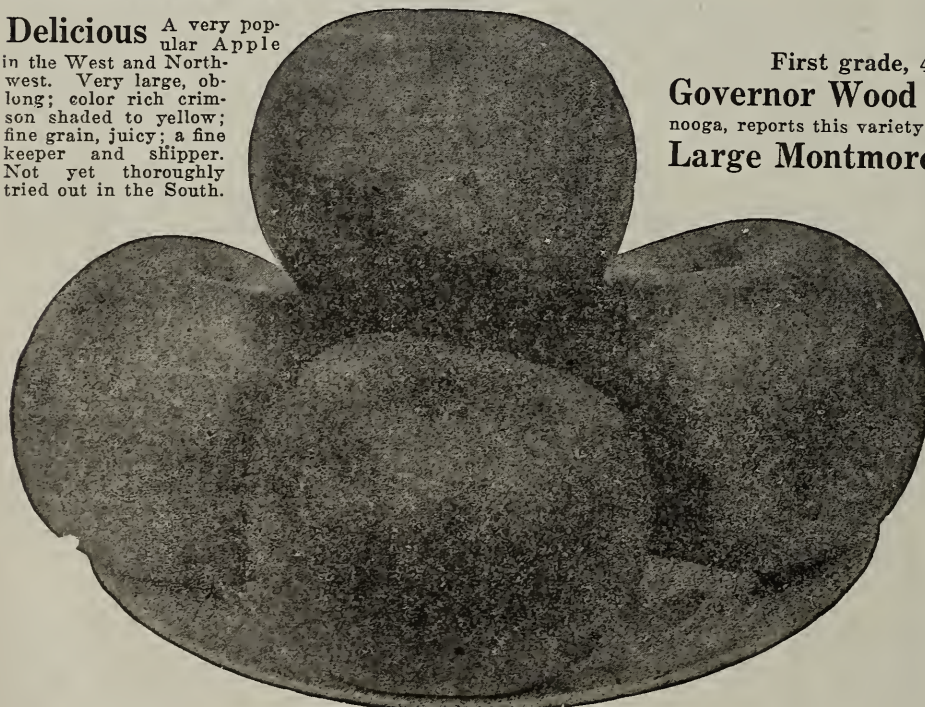
A cross between the Sand Cherry and the Miner Plum. Fruit about 1 inch in diameter, bright red, when fully ripe a dark rich red. For canning and preserving this is a most valuable addition to our list of fruits for the South. Remarkable in that it bears heavily the second or third year. Often the two-year-old trees in the nursery row are loaded with fruit. Same price as other Cherry trees.

JAPANESE PERSIMMON

Three-ft. trees, each \$1.25; 6 for \$7.00

Tane-Nashi Skin bright red; deep yellow flesh.

O'Kame Orange-yellow skin; large size.



STAYMAN WINESAP APPLES

NURSERY DEPARTMENT (Continued.)

Peaches

Plant 18 to 25 feet apart each way.

First grade, 3½ feet and up, each 90c; 6 for \$5.00

Ten of the best varieties of Peaches. They ripen in rotation as listed.

Mayflower The earliest and one of the very best early Peaches. Fruit round, entirely covered with red; blooms late; very hardy. A native of North Carolina, a good shipper and its high color and fine appearance make it the most profitable early Peach, as it always brings top prices. Last of May. Freestone.

Sneed, or Peeble's Creamy white, half cling; it ripens in June.

Carman Large, resembling Elberta; skin tough, creamy white, with deep blush; flesh creamy white, tinged with red; good flavor. A good shipper. Freestone. Middle of June.

Early Belle, or Hiley

A Georgia Peach, supposed to be a cross between Belle of Georgia and Early Tilloson. Large; creamy white, highly colored cheek. One of the profitable commercial varieties of Georgia and now being extensively planted; freestone. Ripens early in July. Freestone.

Belle of Georgia Very large, has white skin, attractive red cheek; flesh white, firm; the standard of excellence of all Peaches in quality; freestone. It is one of the best market varieties of its season. Ripens about the tenth of July. Freestone.

J. H. Hale Probably no new Peach has ever been introduced claiming to be so much superior in all ways. It averages one-third to one-half larger than Elberta, ripens about five days earlier and is much superior in flavor. Color a beautiful golden yellow with deep carmine blush. It has been tested and largely planted in many sections of the country and has proven a better shipper; one of the best freestones.

Elberta Known wherever Peaches are eaten. Of Georgia origin, remarkable for its size; firm, yellow flesh and tough skin, making it one of the best shipping Peaches; yellow, slightly overspread with red; fine red cheek. Freestone. Middle of July.

Chinese Cling Very large; yellowish white, mottled with carmine; flesh white, red at tip; a very juicy Peach. Clingstone. End of July.

Blood Cling, or Indian Blood Large; dark claret flesh deep red; middle to last of August.

Krummel October A very large, beautiful Peach, ripening about two weeks later than Salway. Yellow flesh; rich yellow skin with dark carmine cheek; freestone. Always finds a good market. Ripens about September 15th.

Mulberries

Plant 25 feet apart each way.

A very valuable fruit for poultry and hogs. The fruiting period is of long duration, lasting two to three months. Should be planted in every hog pasture and chicken yard. Trees come into bearing very young.

First grade, 5 feet high, each \$1.25

Black English Tree a very strong grower; foliage fine; berry large, black, ripens ahead of Hicks; hardy and prolific.

Hick's Everbearing Follows Black English and continues in bearing for weeks; berry is black, produced abundantly, but not as large as Black English.

Pears

Plant 20 to 25 feet apart.

First grade, 4 feet and up, each \$1.25; 6 for \$7.00

Early Harvest Small or medium size; yellow with dark red cheek; flesh melting, sweet, good quality. Early June. Tree a strong, shapely grower.

Le Conte Good size, bell-shaped; not of high quality, but if picked rather green and matured in a dark cool room, its quality will be greatly improved. Tree a vigorous grower; bears young.

Seckel This little pear is the standard for flavor. Yellowish russet with red cheek; very juicy and melting. Tree is of slow growth and never attains great size. August.

Kieffer Large to very large; yellow, with vermilion cheek; brittle flesh; quality usually poor; greatly improved if ripened in dark, cool room. Matures in September, lasts well into October. Prolific; begins bearing early—the third or fourth year.

Garber Larger than Kieffer, a beautiful yellow, ripens in Sept.

FIGS

Plant 12 to 18 feet apart.

First grade, each 90c; 6 for \$5.00

BLUE GENOA—Purplish blue, large size, very sweet.

BROWN TURKEY—Large, with broad base, reddish-purple skin, flesh pink, very fine.

WHITE ARDIATIC—Light yellow skin, red flesh; a strong grower.

APRICOTS

First grade, 3½ ft., each \$1.25; 6 for \$7.00

SUPERB—Very early, productive and of good size.

WILSON—Fruit golden yellow, large and of fine quality.

QUINCES

Plant 12 feet apart each way.

First Grade Trees, 3½ feet, each \$1.25; 6 for \$7.00.

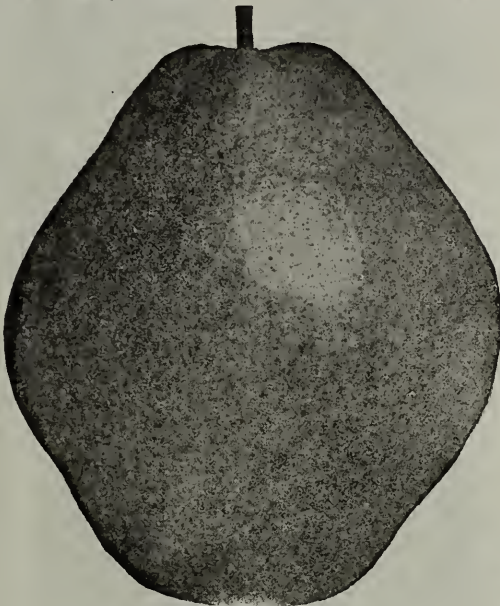
CHAMPION—Fruit averages larger than Orange and more oval in shape. A late keeper.

ORANGE—Fruit of good size bright yellow, excellent flavor. An old standard sort.

NECTARINES

First Grade Trees, 3½ feet, each \$1.25; 6 for \$7.00.

RED ROMAN—One of the best varieties for this section.



KIEFFER PEACH



J. H. HALE PEACH

Strawberry Plants

Set in March and April in rows 3½ feet wide and 15 inches apart in the row. We can furnish any of the following varieties but they will be shipped separate from any other trees or plants on our list. Plants ready in March.

Any of the following varieties, 25 for 50c; 100 for \$1.25; 500 for \$5.00; 1,000 for \$8.50. By Parcel Post, 25 for 60c; 100 for \$1.40; 500 for \$5.40.

Aroma Large size; dark red; one of the best of the late sorts.

Excelsior Extra early; high color; large and firm; a vigorous grower and one of the best drought resisters.

Brandywine A large, highly productive variety that fruits continuously for a long time. Succeeds everywhere.

Lady Thompson Widely planted over the whole country because of its uniform productiveness, these qualities offsetting the fact that it is not of as good texture or flavor as any of the other varieties here described.

Klondyke A shapely dark red berry of uniform size and one of the best shippers; makes a strong, vigorous growth; a very profitable sort.

Gandy The last to ripen; a large, firm, bright crimson berry of good quality. Requires a good, rich soil to bring out its maximum efficiency.



LADY CORNEILLE

Everbearing Strawberry

By planting this new variety one may now have Strawberries from early Spring to late Fall. Fall-bearing Strawberries seem to be no longer an experiment. Strawberries have been grown and marketed until snow was on the ground. This variety blooms from May until Winter and under ordinary conditions will bear a scattering crop throughout the season, but if the blossoms are picked or pinched off up to within three weeks of the time when fruit is wanted the results will be satisfactory. To make provision against an early Fall it would be well to stop pinching about August 15. Ripe fruit may then be expected by the last of September. This variety may be planted just like the June-bearing varieties and given the same treatment except for the pinching. 25 for \$1.00; 100 for \$3.00; 500 for \$10.00; 1,000 for \$15.00. By parcel post, 25 for \$1.10; 100 for \$3.15; 500 for \$10.40.

NEW STRAWBERRY

Lady Cornelle A new Strawberry from Louisiana, it ripens with Klondyke, but continues in bearing longer; berries large, rich, glossy red, slightly long, uniform in size and shape; rich, juicy, sweet and delicious. The plant is vigorous, with dark green glossy leaves, and stands drought better than any other variety. Flowers perfect, therefore will produce crop when planted alone. By express 25 for 75c; 100 for \$2.00; 500 for \$7.50; 1,000 for \$10.00; by parcel post, 25 for 85c; 100 for \$2.15; 500 for \$7.90.



GANDY

Himalaya Giant Blackberry A mammoth Blackberry, ripens over a period of three weeks, making it desirable for family use. Fruit sweet and extra size. Each 20c; 10 for \$1.50; 100 for \$10.00. By parcel post, each 25c; 10 for \$1.80.

Dewberries

Each 20c; 10 for \$1.50; 100 for \$8.00; f. o. b. Memphis. By parcel post, each 25c; 10 for \$1.80.

Austin's Improved Large fruit, the best variety for the South.

Currants and Gooseberries

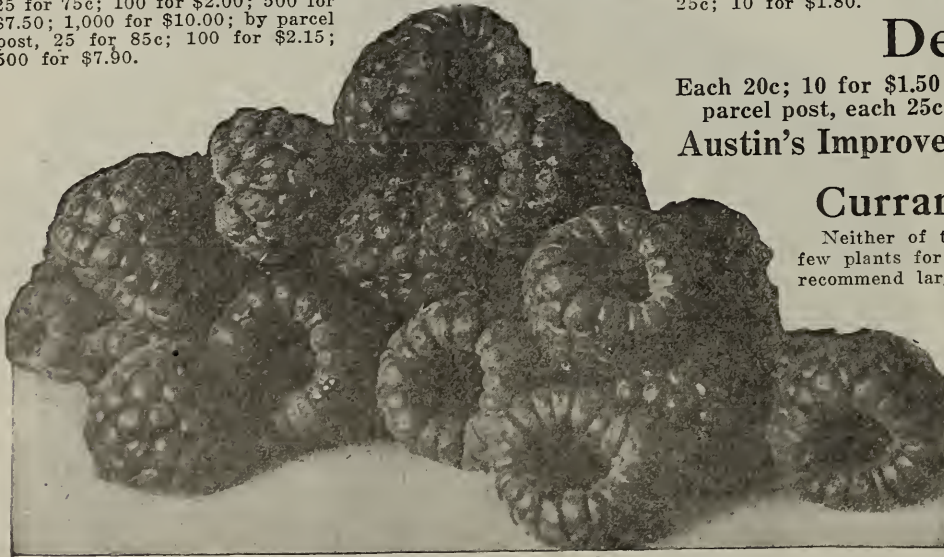
Neither of these fruits like our long, hot Summers. A few plants for the garden will pay usually, but we do not recommend large plantings.

Each 50c; 10 for \$4.00. By parcel post, each 60c; 10 for \$4.50.

Wilder Currant Red.

Houghton Gooseberry Red.

SPECIAL NOTICE—If out of the variety ordered, do we have your permission to substitute equal or better in the nearest we can substitute? Advise us.



ST. REGIS EVERBEARING RASPBERRY

Grape Vines

PLANT 8 TO 10 FEET APART

First grade, well-rooted vines, each 50c; 10 for \$4.00

Concord Bunch and berry large, blue-black; flesh sweet, tender; quality high. One of the best known and most popular sorts.

Delaware Bunch small or medium; berry small; skin thin, light red in color; sweet and tender. Standard of excellence. This variety requires a richer soil than any other.

Ives' Seedling Dark purple, almost black when fully ripe; bunch and berry of medium size. Ripens over a long period.

Lutie A native of Davidson county, Tennessee. Vine a distinct grower; berry large, dark red; peculiar and most agreeable flavor. Productive and desirable.

Niagara The best white Grape. A good shipper, having a tough, rather thin skin. Bunch medium to large; berry large. Pale yellow with whitish bloom when fully ripe.

Scuppernong Grapes

A distinct type of native southern Grape. The vine is a very strong grower, remarkably free from disease and insects, maturing its fruit fully without decay. The fruit is produced in small clusters.

First grade, 2-year vines, each, \$1.00;
6 for \$5.00

Scuppernong Bunches are small, consisting usually of six to ten large berries; bronze-colored when fully matured. Flesh is pulpy, with a peculiar musky flavor.

James Produces the largest fruit of the Muscadine type. The berries are black, juicy and sweet, and often measure one inch or more in diameter.

Thomas Medium size, round, dark wine color when fully ripe. Regarded by many growers as the best for table use of the Scuppernong type. Highest in sugar content.

Hedge Plants

Amoor River Privet The best of the Privets for planting in the South. This type retains its bright green foliage almost all Winter here. Strong 2-year plants, 10 for \$1.50; 25 for \$3.50; 100 for \$12.00.

California Privet Very popular; planted all through the South, but in our opinion not as desirable as the Amoor River, because after a few years it loses its foliage early in Winter. Strong, 2-year plants, 10 for \$1.25; 25 for \$2.75; 100 for \$10.00.

Grafted and Budded Pecans

PLANT 35 TO 50 feet apart

Paper Shell Grafted Pecans The grafted Pecan tree will bear in five years after planting. They produce those large nuts that retail at 50c, to 75c per lb. Why waste time with the seedlings which seldom bear under ten years? Six or eight acres in the grafted pecans will insure a good income every year. Important—Do not allow the roots of a Pecan tree to dryout or to be exposed to sun and air. Immediately on receipt of the trees, wet them down thoroughly and plant with the least delay. Keep the roots wet while in the field before planting; wrap with bag or burlap, well soaked. We can furnish the best large, thin shell varieties. Stuart, Van Deeman, Schley, and Moneymaker at the following prices:

	Each	100
2 to 3 ft. trees	\$1.25	\$ 75.00
3 to 4 ft. trees	1.50	125.00
4 to 5 ft. trees	2.00	150.00
5 to 7 ft. trees	3.00	175.00
7 to 8 ft. trees	3.50	200.00
8 to 9 ft. trees	4.00	225.00
9 to 10 ft. trees	5.00	275.00
10 to 12 ft. trees	6.00	300.00

All grafted and budded Pecan trees will be shipped from our growers in Louisiana; they cannot be included in other bundles of trees.

Chestnut

3½ feet, each \$1.25; 10 for \$10.00

Japan Mammoth Produces mammoth size nuts; tree a vigorous grower.

Spanish Tree a rapid grower; produces nuts early.

Walnuts

2½ feet, each \$1.25; 10 for \$10.00

English Makes a handsome shade or lawn tree; a table nut of fine quality.

Japan A vigorous tree and a sure and prolific bearer. Also makes a fine ornamental tree with a broad, spreading top.

Vines

All hardy, field-grown plants with good root system. Climbing, clinging, creeping and trailing.

Ampelopsis (Veitchii, or Boston Ivy)—Of rapid growth; clings with tenacity. Each, 60c.

Honeysuckle (Hall's Japan) — The fragrant white and yellow Honeysuckle; quick growth. Each 60c.

Scarlet Trumpet Bright scarlet, not fragrant. Each 60c.

Kudzu Vine Makes growth 40 to 50 feet in one season. It is also a valuable forage plant. Each 60c.

Wistaria (Chinese White)—Adapted for porch arbors; flowers in clusters. Each 60c.

Wistaria (Chinese Purple)—The flowers are produced in dense drooping clusters; very showy. Each 60c.

Ivy (English)—A beautiful evergreen vine with a thick, leathery leaf, really too well known to require description. Prefers shady place and plenty of moisture. Much used for covering masonry and tree trunks. Each 60c.

Virginia Creeper Of strong and rapid growth; requires no support; tree trunks and walls. 2-yr. roots, 60c.

Clematis (Paniculata)—Plant from Japan; flowers profusely; white, star-shaped, single; hardy and very desirable. Strong 2-yr. plants, \$1.00.

Jackmannii Deep velvety purple; large; free in growth and bloom; one of the most popular. Each, \$1.00.



CONCORD GRAPE



PAPER SHELL GRAFTED PECANS

Bedding Roses

Any variety, each \$1.00; 10 for \$9.00. By express only.

AMERICAN BEAUTY—A beautiful pink shade, always popular, fragrant.
CATHERINE ZEIMET—Pure white, almost like white Baby Rambler in size.
FRAU KARL DRUSCHKI—The white American Beauty; clear white, with unusually large blooms.
GENERAL JACQUEMINOT—Brilliant crimson, soft and velvety; very fragrant.
KILLARNEY—An exquisite shade of deep sea-shell pink; large in bud and flower; a great favorite.
MAMAN COCHET—Light pink, one of the hardiest tea roses.
MADAM CAROLINE TESTOUT—Clear, satiny pink; large flowers; extremely showy.
PAUL NEYRON—Deep pink, one of the largest Roses in cultivation.
RHEA REID—Rich red, very double and a constant bloomer.
ROSA RJGOSA ALBA—Pure white, fine for landscape work; plant grows 6 feet high.
SUNBURST—New. Yellow Rose with long-pointed buds; color orange-copper; yellowest of all the yellow Roses in the everbearing class.
WHITE COCHET—Twin sister to Maman Cochet, except color is creamy white faintly tinged with blush. Should be planted by every Rose lover.

Ornamental Deciduous Shrubs

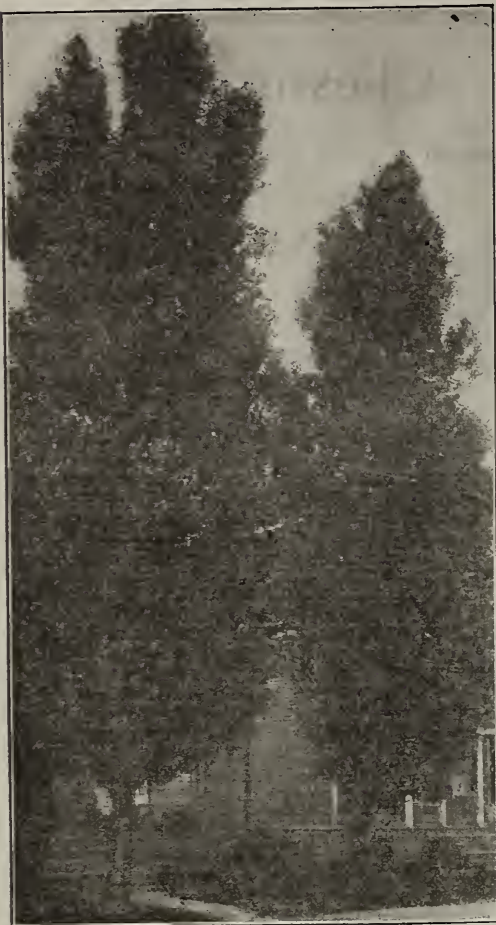
ALL GOOD, STRONG, WELL-BRANCHED PLANTS

ALTHEA (Rose of Sharon)—Flowers all summer. Colors, Double Red, Double Purple, Double White, Single Red, Single White, Single Blue. Any color, each 75c; 10 for \$7.00.
THUNBERGII (Japanese Barberry)—One of the best shrubs for massing or borders; leaves small, bright green; bright red berries on plant. Each, 60c; 10 for \$5.00.
BUTTERFLY BUSH—Quick-growing bush with Lilac-like flowers. Each \$1.00 10 for \$8.50.
CALYCANTHUS—Popular shrub, blooms early; fragrant. Each 75c; 10 for \$7.00.
CRABE MYRTLE, PINK—Hardy Southern shrub. Flowers all summer. 75c; 10 for \$7.00.
DEUTZIA, Pride of Rochester—Large, double white flowers tinted with rose; blooms profusely. Each 75c; 10 for \$7.00.
FORSYTHIA, Golden Bell—Earliest to bloom of all shrubs. Each, 75c; 10 for \$7.00.
BUSH HONEYSUCKLE—Grand shrub for grouping; has bright green foliage; colors, pure white, bright red or creamy white blossoms. Each, 75c; 10 for \$7.00.
HYDRANGEA—Arborescence Hills of Snow. Perfectly hardy, with large pure white blossoms; very fine. Each, \$1.00; 10 for \$8.50.
GRANDIFLORA—Strong growing shrub; white flowers; pyramidal. \$1.00; 10 for \$8.50.
LILAC—Old-fashioned purple Lilac; fragrant; violet-purple. \$1.00; 10 for \$8.50.
JAPAN QUINCE—Also called Fire Bush. Flowers scarlet, bush compact. 75c 10 for; \$7.
SNOWBALL—Popular shrub, easily grown any place. Each \$1.00; 10 for \$8.00.
SNOWBERRY—Slender arching branches; flowers pure white. Showy. 75c; 10, \$7.00.
SPIREA—We can supply all well known varieties. Each 75c; 10 for \$7.00.
TAMARIX—Foliage bright green; flowers carmine pink. Each, 75c; 10 for \$7.00.
WEIGELA EVA RATHKE—Hardy, free-flowering shrub of spreading habit; among the showiest of all shrubs. Flowers deep red. Each, \$1.00; 10 for \$8.00.

Climbing Roses

ALL FIELD-GROWN, STRONG PLANTS

MARECHAL NIEL—Best ever-blooming climber, deep rich yellow, exceedingly fragrant; very popular. Each, \$1.50.
DOROTHY PERKINS—Shell pink flowers; hardy climber. \$1.00.
EXCELSA—The red Dorothy Perkins; flowers brilliant crimson. \$1.00.
CLIMBING AMERICAN BEAUTY—Nearly the same as American Beauty in size, color and fragrance, except it is a climber. Each \$1.50.
CRIMSON RAMBLER—The most popular climber; flowers in clusters, a bright crimson. Each \$1.00.
TAUSENDSCHON (Thousand Beauties)—A hardy, strong climber; colors of all shades from white to deep pink; good foliage. Each \$1.00.
WHITE PERKINS—Same type as its twin sisters, Dorothy Perkins (pink) and Red Dorothy Perkins, or Excelsa. A strong-growing, hardy white climber. Interplanted with Dorothy Perkins, Excelsa, Tausendschon and Crimson Rambler, it makes a great show and is of decided value. Each, \$1.00.



LOMBARDY POPLAR

Shade Trees

We list only the varieties best suited to our section.

	Each	
White Flowering Dogwood, 3 to 4 ft. trees	\$1.50	
Red Flowering Dogwood, 4 to 5 ft. trees	2.50	
American Elm, 7 to 8 ft. trees	1.50	
Norway Maple, 7 to 8 ft. trees	1.50	
Sugar Maple, 7 to 8 ft. trees	1.50	
Silver Maple, 7 to 8 ft. trees	1.25	
Pin Oak, 6 to 7 ft. trees	2.00	
Carolina Poplar, 7 to 8 foot trees		1.00
Lombardy Poplar, 7 to 8 foot trees		1.25
Texas Umbrella China, 4 to 5 foot trees		2.00

Broad-Leaved Evergreens

Abelia (Grandiflora)—One of the most beautiful and satisfactory plants of this broad-leaved type. The foliage is dark green and glossy, with a pronounced tinge of red in the young branches; a very graceful plant, covered with white flowers tinged with pink from May until frost. These flowers resemble a Lily, in having a deep, slender throat and are about an inch in length. Plants 18 inches high. Each, \$1.25; 10 for \$10.

Magnolia (Grandiflora) (Southern Evergreen Magnolia)—The pride of Dixie. Leaves are evergreen, thick and firm; flowers 6 to 8 inches across, pure waxy white, heavily fragrant. We always defoliate before digging to get best results in transplanting. Trees, 2 to 3 feet, each \$1.50; 3 to 4 feet, each \$2.00.

Cape Jasimine A very popular Evergreen Shrub in the lower South. In this section, it is often affected by our cold winters, but in the general season it is perfectly hardy. The plant has bright, glossy foliage with large fragrant white flowers, which are produced very freely from the middle of May until Fall. Price, 2 year field grown plants, each \$1.00.

Field-Grown Roses

All hardy, field grown stock. They are superior to the tender greenhouse plants which seldom bloom the first year.



SNOWBALL

RUSSELL-HECKLE TOP NOTCH SEEDS SEED COMPANY

MEMPHIS, TENN

Leader Garden Plow

There is no plow on the market that is easier on the operator than the Leader. It is so constructed that the center of weight falls directly over the pivoting point of the axle, making it self-balancing. The handle can be raised or lowered to suit man or boy. The bent handle makes plow more easily guided and pushed, with less strain on the arms than the cross or straight handles. The weight of the operator's body can be used against the handle. Height of wheel, 24 in. The attachments that go with each plow are a mouldboard with land-slide, shovel, calf-tongue, weeder and cultivator. The cultivator is better than a rake. All made of best steel. Weight, 25 pounds. \$4.00 each.

Leader Plow No. 3 with cross bar handle, each \$4.00.
Leader Plow No. 5 with malleable iron handle, each \$4.25
Planet Jr., No. 119 Garden Plow, complete, each \$5.50



Leader No. 5 Garden Plow

Planet Jr. No. 4

No matter whether your garden is small or large, you should have a Planet Jr. tool. They will do nearly all the work in the garden, from breaking the ground and sowing the seed to the last working. Write for complete catalog. All prices f. o. b. Memphis.



Planet Jr. No. 4

Paper Flower Pots

These are made of heavy Neponset Paper and are nearly equal to the stoneware styles, and much more convenient to handle.

	100	1,000
1/2-in. -----	\$.50	\$ 6.00
1-in. -----	.75	6.50
1 1/2-in. -----	.90	7.50
2-in. -----	1.00	9.50
3-in. -----	1.50	15.00

By parcel post add 15c per 100 extra



Paper Flower Pots



Flower Plant Tub

Flower Plant Tubs

Made from selected white cedar, bound with strong hoops. Prices f. o. b. Memphis:

	Each
10-in. -----	1.00
12-in. -----	1.25
18-in., with handles -----	2.50
20-in., with handles -----	2.75

Above measurements are across the top

Standard Flower Pots

	Doz.	100
2 1/2-in. -----	\$0.30	\$2.00
3-in. -----	.40	2.50

Larger sizes quoted on application.

Gilson Scratch Weeder

The Gilson Scratch Weeder is a smaller tool, fine for work in beds and among any flower plants. Prices as follows: 6-in. handle, 3-point, 5c; 6-inch handle, 7-point, 35c.



Gilson Weeder



The Gilson Weeder does the work of a rake and a hoe at the same time, cuts both under the soil surface, destroying weeds and loosening the earth; it levels the soil and forms a perfect mulch. 6-inch Gilson Weeder, 6-foot handle, each, 75c. 12-inch Gilson Weeder, 6-foot handle, each 85c.



Water or Sprinkling Pots

Lisk, heavy galvanized iron ----- 6 qt., each \$.85
Lisk, heavy galvanized iron ----- 8 qt., each 1.00
Lisk, heavy galvanized iron ----- 10 qt., each 1.25
Lisk, heavy galvanized iron ----- 12 qt., each 1.50
Lisk, heavy galvanized iron ----- 14 qt., each 1.75
Above prices do not include parcel post charges. If wanted by parcel post, add extra for stamps.

Savo

ALL YEAR ROUND

Flower and Plant Box

Self-Watering and Self-Irrigating

For Winter and Summer use. Fill with water only once a week. Cannot overwater plants, air goes direct to the roots.

Plants are kept healthy and fresh the year around by absorbing the exact amount of water they require from below and allowing a perfect circulation of AIR to pass up through the soil causing it to be mealy and loose. Blooms will be larger and foliage heavier than in any surface watered device.

Made of best galvanized steel, with neat round corners and a full roll rim, the watering is easy, the drainage ample, the air circulation perfect. The enamel finish both inside and out prevents rust or leakage. They will last in constant use many years.

Prices f. o. b. Memphis.



Standard Stock Sizes and Price List

Model A, 8 in. high, 9 1/2 in. wide, 23 in. long -----	\$3.50
Model B, 8 in. high, 9 1/2 in. wide, 29 in. long -----	4.00
Model C, 8 in. high, 9 1/2 in. wide, 35 in. long -----	4.50
Model D, 8 in. high, 9 1/2 in. wide, 41 in. long -----	5.00
Model E, 8 in. high, 12 in. wide, 12 in. long -----	3.50
Model F, 12 in. high, 12 in. wide, 12 in. long -----	4.00

By Express Only

Masters Rapid Plant Setter

The only practical tool for transplanting all kinds of plants—Tobacco, Tomato, Cabbage, Sweet Potato, Cauliflower, Peppers, Egg Plant, Strawberries and all similar plants.

Each plant is Set, Watered and Covered in one operation without any stooping or lame backs.

This illustration is from an actual photograph. You walk along in an upright comfortable position and all the drudgery and backache of hand planting is done away with. Makes transplanting easy, pleasant work.

Don't Wait For Showers

You can set your plants just when you are ready with the Masters Rapid Plant Setter and you will have a Full Stand of Plants every year and never fail. Price, \$6.00 each. By Express only.

Bateman Hand Garden Plow

For opening furrows for seed and manure, for covering and for tending the crop. Is a neat, carefully made tool with high polished steel moldboard and side handle (don't have to pull over hand).

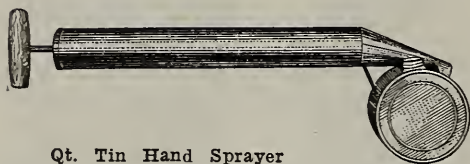
Thumb nut adjusts the working depth. Most manageable tool of kind on market. Price \$2.00 each.



Russel-Heckle Line of Spray Pumps

OUR LINE: Orchard, Bucket and Hand Sprayers is complete. Special catalogues mailed on application.

Hand Sprayers



Qt. Tin Hand Sprayer

These are convenient and especially desirable for small garden spraying, poultry houses, etc.

No. 322—Capacity, 1 qt., each, 60c; by parcel post, 80c.

No. 323. One qt. galvanized tank sprayer, each, 80c; parcel post, \$1.00.

No. 4512. One qt. tin sprayer, each, 50c; parcel post, 75c.

No. 202. One pint tin sprayer, each, 40c; parcel post, 55c. No. 333. One qt. tin sprayer, each, 60c; parcel post, 80c. No. 25. One qt., glass jar sprayer, each, 75c; parcel post, \$1.00. No. 35. Three qt. galvanized tank sprayer, each, \$1.50; parcel post \$1.75.

Compressed Air Hand Sprayers

These make a continuous spray; easier to operate than the regular pump style.

Auto No. 25A—One qt. size, all tin, each \$1.00.

Auto No. 25B—One qt. size tin pump, galvanized tank, each \$1.25.

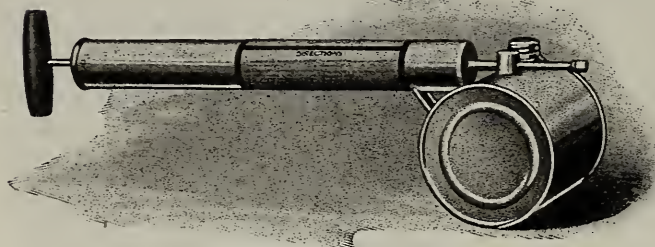
Auto No. 25C—One qt. size, tin pump, brass tank, each, \$1.50.

Auto No. 25D—Two Qt. size tin pump, galv. tank, each, \$1.75

Acme No. 332—One qt. continuous tin sprayer, each, \$1.00.

Perfection, No. 7212—One qt. continuous, galvanized tank, \$1.25

By Parcel post, add 25c each extra.



Compressed Air Hand Sprayer

Compressed Air Sprayers

These work automatically, a few strokes of the plunger is all that is required. They are very convenient and satisfactory in every way; capacity, about 4 gallons.

No. 1B Auto Sprayer, brass tank with auto pop. Each, \$12.00.

No. 1D Auto Sprayer, galvanized tank with auto pop. Each, \$9.50.

No. 1C Auto Sprayer, galv. tank with stop cock. Each, \$8.00.

Perfection No. 110B 4-gal. brass tank Compr. Air Sprayer \$11.50.

Perfection No. 110G 4-gal. galv. tank, Compr. Air Sprayer \$7.75.

Utility No. 10 4-gal. galv. tank, Compr. Air Sprayer, \$7.75.

Utility No. 15 4-gal. brass tank, Compr. Air Sprayer \$11.50.

Myers Ideal Compressed Air, 3½-gal. galvanized tank. Each, \$8.50.

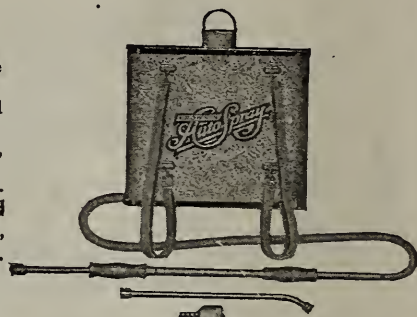
If any of the above Sprayers are wanted by parcel post, send 35c extra for postage.



No. 1 Auto Compressed Air Sprayer



Binks Style "J" Bucket and Whitewash Sprayer



Auto No. 5 Brass Spray Pump

Auto No. 5 Brass Spray Pump

A double acting general purpose bucket and barrel pump, made entirely of brass. No leather washers to get out of order. Can be used in the garden or orchard. Price: Auto Sprayer No. 5, each, \$6.00; by parcel post, \$6.30. Auto Knapsack Tank for No. 5 Pump, each, \$5.00; by parcel post, \$5.50. Auto Extension Elbow for No. 5 Sprayer, each, 75c; by parcel post, 85c.

Standard Brass Spray Pumps



Standard Brass Spray Pumps

A pump gun style sprayer made entirely of brass, with solid brass ball valves; no leather suckers to get out of order. With different nozzles you can spray large or small orchards, potatoes or garden crops and poultry houses and will also spray whitewash satisfactorily. Write for circulars. Prices as follows:

Standard Brass Spray Pumps with three nozzles, each, \$6.00; by parcel post, \$6.35.

Standard Galvanized Knapsack Tank, each, \$5.00; by parcel post, each, \$5.40. Standard Potato Extension Attachment—All brass. Each, \$1.25; by parcel post, each, \$1.35.

Bucket Pumps

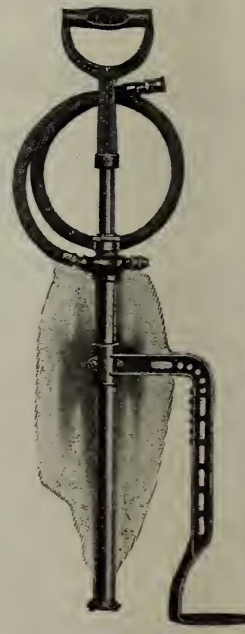
BINK'S STYLE "J" BUCKET SPRAYER
The Little Wonder

This is a very popular general purpose sprayer and is an excellent outfit for those requiring a small machine for whitewashing. Price, \$14.00.

Auto No. 6 Bucket Pump, double action, each, \$5.50; parcel post, \$5.80.

Hayes No. 251 Bucket Pump, all brass, very strong and durable, furnished with removable nozzle, each, \$6.00; parcel post, \$6.35.

Hayes No. 261 Bucket Pump. Identical with No. 251 Pump excepting that it has a large brass air chamber and maintains a high pressure. Price, each, \$7.50; by parcel post, \$7.85.



Hays No. 251 Bucket Pump

RUSSELL-HECKLE TOP NOTCH SEEDS SEED COMPANY

MEMPHIS, TENN



Portable Spray and Whitewash Pump

Spray Hose and Nozzles

Three-eighths inch 5-ply Spray Hose, per foot	-----\$.25
Half-inch 5-ply Spray Hose, per foot	----- .25
Five-eighths inch 5-ply Garden Hose, per foot	----- .20
Bordeaux Whitewash Nozzles, each	----- 1.50
Vermorel graduating Spray Nozzles, each	----- 1.25
Brass extension rods, $\frac{3}{8}$ -in., 2 ft. long, each	----- .75
Iron extension rods, $\frac{3}{8}$ -in., 6 ft. long, each	----- .90
Iron extension rods, $\frac{3}{8}$ -in., 8 ft. long, each	----- 1.25
Bamboo extension rods, $\frac{3}{8}$ -in., 6 ft. long, each	----- 3.00
Bamboo extension rods, $\frac{3}{8}$ -in., 8 ft. long, each	----- 3.50
$\frac{3}{8}$ -in. Brass Shut-off Cocks, each	----- 1.25
$\frac{3}{8}$ -in. Galvanized Hose Clamps, each	----- .15
$\frac{1}{2}$ -in. Brass Hose Couplings, each	----- .25

Thompson's Wheelbarrow Seeders

The ideal implement for sowing broadcast, grass, clover and Lespedeza seed. The hopper being close to the ground, the seed falls quickly, therefore not effected by the wind, which is the case with other broadcast hand sowers.

Easy to operate, easy to change the amount of seed to be used on an acre. Seeds can be sown separately or mixed, at the rate of 25 to 40 acres per day.



The Thompson Wheelbarrow Seeder gives a perfect uniformity and evenness of putting down the seed, more so than any other style we know of. We handle only the No. 2 Seeder, which is superior to the No. 1, from the fact that it sows in addition to the heavier seeds, like Timothy, Alfalfa and Clover seeds, all Grass seeds and Lespedeza,

Thompson's Wheelbarrow Seeder

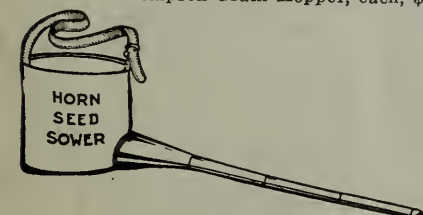
while the No. 1 Seeder only sows heavy seed. The larger machine costs but a fraction more.

Price No. 2 Thompson Wheelbarrow Seeder, each, \$13.50.
Price No. 12 Thompson Chain Wheelbarrow Seeder, each \$14.50.

Thompson Grain Hopper

To be used in combination with the Thompson's Wheelbarrow Seed Sower. The hopper is made to fit on the gearing and is for sowing broadcast, Oats, Wheat, Barley, Sorghum, Cow Peas, etc.

No. 4 Thompson Grain Hopper, each, \$6.00.



The Horn Seeder

The Horn Seeder

A splendid little tool, simple and easy to operate. Will sow any fine seed like clover, lespedeza, timothy, alfalfa and grasses. Holding the tube downward wind won't blow seed away. We know this seeder to be good. Price, \$1.25; by parcel post, \$1.35.

Portable Spray And Whitewash Pumps

These are portable hand power sprayers easily moved. Tank holds 12 gallons, and is attached to a good truck all complete with hose couplings and nozzles.

IDEAL PORTABLE SPRAYER—Equipment, tank 15c gallons, portable, attached to an iron wheelbarrow frame with wheel; 10 feet 3-8-in. pressure hose; 10 feet pipe extension; 1 T shut-off cock; 1 Brandt nozzle. Weight 65 lbs. Price \$30.00. Price with air tank, \$40.00.

Myers No. 329 Portable whitewash sprayer, each \$15.00.

Binks No. 21 Portable whitewash and spray machine. A general purpose pump. Price, each, \$25.00.

Hays No. 1721 Portable sprayer. In a class by itself; no better pump made. Price, \$30.00.

Barrel Spray Pumps

We have several styles of the barrel or orchard outfits. These are capable of doing a large amount of work with ease; they can be used from a wagon or attached to a drag, and all come complete with hose and spray nozzles.

BINKS NO. 17

Exceptionally popular low priced Barrel Sprayer.

Unexcelled for Orchard use. Can be used in connection with any barrel. It is neat, compact, adjustable, durable and efficient.

Price of pump only, with agitator hose and nozzle. No barrel. Each, \$18.50.

Myers No. 318 Orchard Pump, complete, with barrel and cart attachment, each, \$42.50.

Myers No. 318 Orchard Pump, without barrel and cart attachment, each, \$21.00.



Barrel Spray Pump

Dry Powder Sprayers

Auto No. 40 Dry Powder Gun, each	-----\$2.00
Feeney Dry Powder Gun, each	----- 2.50
Hand Insect Powder Gun, each	----- .25
Dickey Bug Death Duster, each	----- .50
Acre an Hour Bug Death Sifter, each	----- .85

Seed Sowers

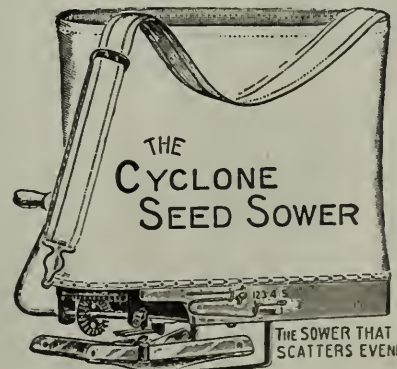
CAHOON BROADCAST SEEDER—One of the best seeders manufactured, and sows all kinds of grain, clover, seeds, etc. rapidly and evenly. Price, \$4.50 each; parcel post, \$4.75.



Cahoon Seeder

Cyclone Seed Sower

Will sow timothy, clover, oats, rye, wheat, millet, grass seeds, peas, sorghums, etc. Distributes evenly, works perfectly; has an agitating feed plate, which insures a uniform flow of seed. Price, \$3.00 each. Parcel post, \$3.25.



Cyclone Seed Sower

For good fruit,
spray your trees
regularly.

RUSSELL-HECKLE'S FERTILIZERS

How To Use Fertilizers



or mixed with cottonseed meal. phosphate.

Price per 100 lbs., \$2.00; per ton, (2,000 lbs.), \$36.00; f. o. b. Memphis.

ARMOUR'S COTTON GUANO—Specially prepared for this crop; not only promotes growth of plant, but increases yield of lint and makes it mature early.

Analysis: Phosphoric acid, 10 per cent; Nitrogen, 1 65-100 per cent; Potash, 1 per cent.

Price per 100 lbs., \$3.00; per ton (2,000 lbs.), \$55.00; f. o. b. Memphis.

ARMOUR'S 8-4-3 Guano—The highest grade for all garden and trucking crops. The nitrogen, which is high, is derived from blood. It is very quick in action and will increase crops of all kinds.

Analysis: Phosphoric acid, 8 per cent; Nitrogen, 4 per cent; Potash, 3 per cent.

Price by freight: 3 lbs., 25c; 25 lbs., \$1.50; 100 lbs., \$4.50; per ton (2,000 lbs.), \$80.00.

ARMOUR'S CORN SPECIAL—Increase growth of stalk and ears, makes the ears fill out and supplies all the plant food needed for a big increase in your crop.

Analysis: Phosphoric acid, 11 pct.; Nitrogen, 82-00 pct.; Potash 50-100 pct.

Price: Per 100 lbs., \$2.50; per ton, \$48.00; f. o. b. Memphis.

Fertilizers can always be used to good advantage by opening up the row, sprinkling thinly the fertilizer; then cover same with a little soil and then sow your seed. Or they can be used by working them into the soil along the rows after the plant is up, care being taken not to let it come in contact with the leaves or stem of the plant. For plants that are transplanted, work the fertilizer into the soil thoroughly before transplanting, using from a teaspoonful to a small handful, according to the size and the nature of the plant.

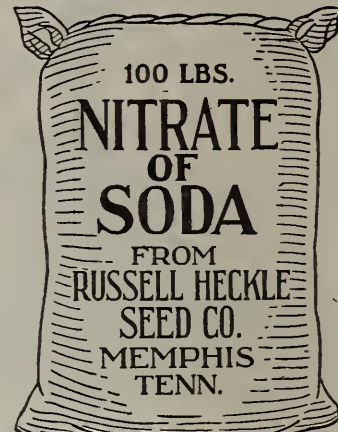
Fifty pounds of Garden Fertilizer is sufficient for a garden 40x50 feet.

For all field crops, use from 200 to 400 pounds per acre, according to the soil.

Armour's Fertilizers

These well known brands need little description, as they are known all over the country. Our customers can depend on them in every way. They will give a big increase in your crop, under favorable conditions, and we recommend them with utmost confidence.

ARMOUR'S ACID PHOSPHATE—Most all soils need Phosphates, and this can be used for all field crops with good results, either alone



Raw Chemical Material

NITRATE OF SODA—This is the most soluble and quickly available form of Nitrogen or "Ammonia." It is of great benefit in forcing a strong, luxuriant growth in plants. It is especially valuable for cabbage, cauliflower, beets, carrots, onions, potatoes and similar crops, as well as for grass, grain, fruits and flowers. Use 100 lbs. to an acre. By freight, 2 lbs., 25c; 25 lbs., \$2.00; 100 lbs., \$6.00.

PURE BONE MEAL—Invaluable for top dressing lawns. Nothing is better for fertilizing young fruit trees, grape vines, roses, etc. By freight, 3 lbs., 25c; 25 lbs., \$1.25; 100 lbs., \$4.50.

WIZARD BRAND SHEEP MANURE—Nature's own fertilizer. Use on lawns and flowers. By freight, 5 lbs., 35c; 25 lbs., \$1.00; 100 lbs., \$3.00.

STERLINGWORTH PLANT TABLETS—A new odorless invigorator for house plants; increases growth of plant and doubles the bloom. 15c per box. By parcel post, 20c.

Duplex Basic Phosphate

Duplex Basic Phosphate contains 48 per cent total phosphoric acid, and in addition 45 per cent of lime—every ton contains over 900 pounds of lime, which is a corrective of soil acidity and releases the potash and nitrogen. Thus, through the use of Duplex Basic Phosphate, the three principal elements of plant food, phosphate, potash and nitrogen become available for growing crops in your soil, resulting in yields such as you have never dreamed of.

Price, 18 per cent Duplex Basic Phosphate, 100 lbs., \$2.00.

SPRAY MATERIALS

Spraying your trees will save 90 per cent of your crop. It is worth all your labor and expense to try it.

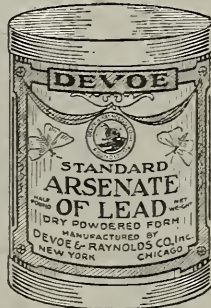
Poisonous insecticides and liquids are not mailable. Prices are f. o. b. Memphis, buyer paying carriage charges, excepting where priced parcel post paid.



DRY LIME SULFUR—Dry Lime Sulfur is the actual standard liquid material in dry powdered form and requires only the addition of water to make an effective spray. By freight, 1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.50; 25 lbs., \$5.00. Parcel post, 1 lb., 50c; 5 lbs., \$1.65; 10 lbs., \$2.75.

LIME SULFUR SOLUTION—A concentrated liquid form easily mixed. Simply add 10 gal-

lons of water to 1 gallon of the solution. Price, 1 gal., \$1.50; 5 gals., \$6.00. By express only.

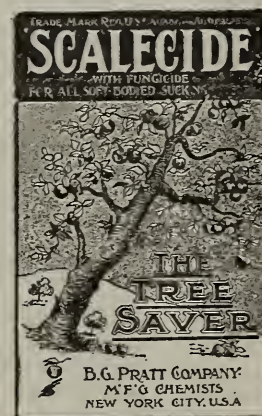


DRY POWDERED ARSENATE OF LEAD—Does not burn the foliage, absolutely safe to use, kills every insect that eats it, superior in every way to Paris Green, as it does not burn or scald the foliage; can be used dry as a powder or as a solution in water. By freight only, ½ lb., 35c; 1 lb., 65c; 5 lbs., \$3.00; 10 lbs., \$5.00; 100 lbs., \$40.00.

HYDROMETER—For testing accurately the strength of your Lime Sulphur and other spray materials. Set complete, one Hydrometer tube, one 12-in. glass test jar with foot and pour-out, packed in a wooden case with full directions. Price, \$2.00. By parcel post, \$2.15.

DRY OR POWDERED BORDEAUX MIXTURE—The new form of Bordeaux will keep indefinitely. Cures and controls blight. By freight only, 1 lb., 60c; 5 lbs., \$2.50; 25 lbs., \$7.75.

DRY OR POWDERED BORDEAUX WITH ARSENATE OF LEAD—Controls at one spraying all fungus troubles and insects. 1 lb., 65c; 5 lbs., \$3.00; 10 lbs., \$5.25. By freight only.



PRATT'S SCALECIDE—Cures and prevents San Jose scale. One of the best dormant sprays; easy to apply. Not poison. By freight only, 1 qt., 60c; gal., \$1.75; 5 gals., \$7.00.

PRATT'S SULFOCIDE—A sure preparation for the second spraying. Prevents wormy fruit; does not burn and easy to use. Directions on each can. Pt., 60c; Qt., \$1.00; not mailable.

INSECT CHECKER—Sure death to all leaf-eating insects. Box, 25c; not mailable.



SPRAY MATERIALS

BOROWAX—Affords absolute protection against borers, when applied to Peach, Plum and Apple trees. Keeps the borers out—once they get in, no known material will destroy them, without killing the tree. They can be removed by use of the knife, but this gives only temporary relief. Treat all young trees when first set out with Borowax and you will be repaid for your trouble and expense. Write for further instructions how to keep borers out of Peach trees. Price, 1 qt., 40c; gal., \$1.25, f. o. b. Memphis. Borowax cannot be mailed.

SLUG SHOT—Especially effective against cut worms and is not poison. Price, by freight, 1 lb., 25c; 5 lbs., 75c; 125-lb. keg, \$12.00. By parcel post, 1 lb., 35c; 5 lbs., 90c.



BUG DEATH—Very safe, being non-poisonous; effective on all garden insects. Price, by freight, 1 lb., 20c; 3 lbs., 45c; 5 lbs., 65c; 12½ lbs., \$1.35; 100 lbs., \$9.00. Parcel post, 1 lb., 30c; 3 lbs., 60c; 5 lbs., 85c; 12½ lbs., \$1.90.

BLACK LEAF 40—A nicotine solution for destroying aphids, lice, etc., on both garden and flowering plants. A teaspoonful makes 1 quart of solution. This is one of the most effective preparations for general sucking insect plants. By freight only, 1 oz. bottle, 30c.

NICOTINE SULPHATE—A very strong solution of Nicotine, which is sure death to all insect life, does not injure the most tender foliage, if directions are followed. By freight, 1-oz. bottle, 30c.

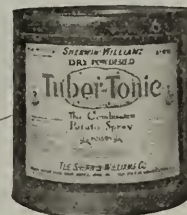
NICOTICIDE—Effective against all insects and does not damage the growth upon which it is sprayed; especially useful on aphids and lice on both vegetable and flowering plants. One ounce of Nicoticide makes 10 gallons of spraying solution. By freight only, 1-oz. bottle, 30c; 1 pt., \$2.50.

S. W. INSECTO—A dry-powdered insecticide and fungicide; controls leaf-eating insects and fungi diseases in one spraying, thereby saving time and money. By freight only, 1 lb., 50c; 5 lbs., \$2.15.

CHAMPION TREE KILLER (Poison)—For trees, shrubs and vines. Trees die quicker, stumps rot quicker than old method of deadening.

Directions—Chop all around the trees about one or two feet from the ground, making a downward cut one or two inches deep; then pour a small amount of the Tree Killer in the cut, going all around the tree. This can best be done if you use a coal oil can or a can with a spout, so as not to waste the liquid. Price, \$1.25 per gallon; 2 gallons, \$2.25; 10 gallons, \$10.00, f. o. b. Memphis.

HAMMOND'S GRAPE DUST—Prevents and cures blight on all plants. Very effective on roses. Not poison. By freight, lb., 25c; 5 lbs., \$1.00; parcel post, 1 lb., 35c; 5 lbs., \$1.20.



TREE TANGLEFOOT—Used as a band on all kinds of trees, will prevent any kind of insects on them. This is one of the most effective treatments for insect troubles. By freight, 1 lb., 50c; 3 lbs., \$1.35; 10 lbs., \$4.00; parcel post, 1 lb., 60c; 3 lbs., \$1.50.

PARIS GREEN—Has been on the market for many years, and is known for its effectiveness. It must be used with care, one teaspoonful to one gallon of water will be safe. By freight only, ¼ lb., 25c; ½ lb., 35c; 1 lb., 65c; 5 lbs., \$3.00; 25 lbs., \$12.50.

CUT WORM KILLER—Absolutely certain death to the troublesome cut worm. By freight only, lb. box 30c.



TUBER TONIC—Tuber tonic is a combination spray having the desirable quick-killing properties of Paris-Green, the adhesiveness of arsenate of lead, and the fungus preventive qualities of Bordeaux Mixture, is absolutely safe and can be used without injury to the foliage. By freight only, 1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00.

PYROX—Destroys insects and prevents blight, all at one spraying, a combination of Bordeaux, Paris Green and Arsenate of Lead. Especially recommended for tomato blight, etc. Price, 1 lb., jar, 40c; 5 lbs., \$1.75; 10 lbs., \$3.00. By freight only.

KEROSENE EMULSION—Especially effective against aphids and lice on all plants. By freight only, 1 pt., 35c; qt., 50c.

SULPHO TOBACCO SOAP—Kills all insects on plants; simple and effective. By freight, 3-oz. cake, 15c; 8-oz., 30c; parcel post, 3-oz. cake, 20c; 8-oz., 35c.

TOBACCO DUST—Especially desirable for use against lice and sucking insects. By freight, 1 lb., 20c; 10 lbs., \$1.10; 25 lbs., \$2.00. By parcel post, 1 lb., 30c.



FISH OR WHALE OIL SOAP—Prevents and cures scale, aphids and other troubles on plants and trees. By freight, 1 lb., 30c; parcel post, 40c.

HAMMOND'S COPPER SULPHATE SOLUTION—Prevents and cures blight, rot and other fungus troubles on all kinds of trees and plants. By freight only, 1 qt., 60c.

GRAFTING WAX—Used for grafting scions on trees. ¼ lb., 25c; by parcel post, 30c.

"SURE NOXEM" (Dry Powder Form)—One of the best vegetable insecticides in use. Specially recommended for destroying worms and insects.

WHAT TO USE IT ON—Cabbage, Cauliflower, Tomato Plants, Cucumber Vines, Melon Vines, Currant Bushes, Gooseberry Bushes, Vegetables and Flowers of all kinds attacked by Leaf-eating Insects. 1 lb. box, 25c; 5 lb. package, 70c; not mailable.

CALCIUM ARSENATE—Recommended by all experimental stations for cotton boll-weevil, also a sure remedy for Army and other worms. It is very quick in action. ½ lb., 35c; 1 lb., 60c; 5 lbs., \$2.50. Cannot be mailed.

To Measure Insecticides

The following simple table will help the amateur to dilute spray mixture: One part of any spray mixture to 50 parts of water measures as follows:

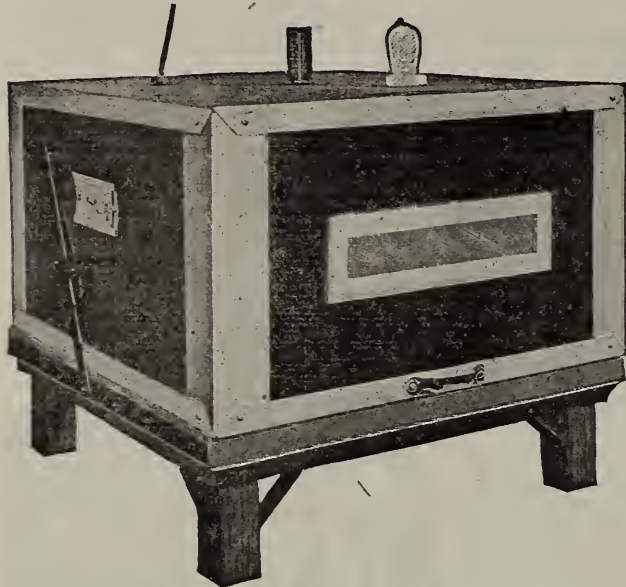
1 teaspoonful to 1 pint water.
2 tablespoonfuls to 1 gallon water.

½ pint to 12 gallons of water.
1 quart to 1 bbl. or 50 gallons water.

This is a 1 to 50 solution; for weaker or stronger solution you may decrease or increase as required.

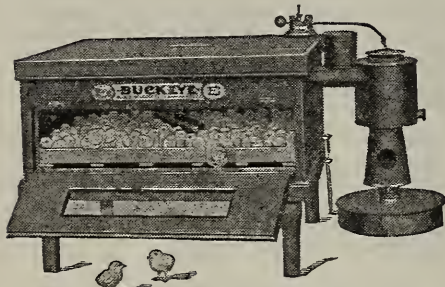


Incubators and Brooders



Reed Self-Regulating Electric Incubators

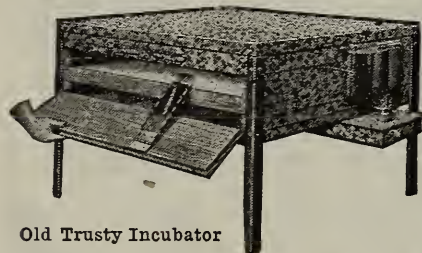
No. 0—30-inch hover, complete	-----\$18.15
No. 1—42-inch hover, complete	-----20.35
No. 2—52-inch hover, complete	-----24.20



Buckeye No. 14, 60-egg Incubator

Prairie State No. 1—150-egg size, \$50.00; Prairie State No. 2, 240-egg size, \$70.00. Send for Catalogue.

Prairie State Universal Hover with lamp case and regulator, \$14.00. F. O. B. Memphis.



Old Trusty Incubator

BUCKEYE INCUBATORS

Full descriptive and illustrated catalogue mailed free on request. If interested in poultry, incubators, brooders or hovers, be sure and ask for one.

Buckeye No. 14, 60-egg incubator, \$18.50. Buckeye No. 16, 110-egg incubator, \$31.00; Buckeye No. 17, 200-egg incubator, \$42.25; Buckeye No. 1, Standard, 110-egg, \$43.50; Buckeye No. 2, Standard, 175-egg, \$51.00; Buckeye No. 3, Standard, 250-egg, \$65.00. F. O. B. Memphis.

PRAIRIE STATE INCUBATORS

Every Prairie State Incubator carries with it a five-year guarantee. What more can you ask?

Complete catalog of Prairie State machines, giving full detail of the following sizes, mailed upon request:

Prairie State No. 0—100-egg size, \$40.00;

FAMOUS OLD TRUSTY INCUBATOR

100-egg Old Trusty Incubator, \$24.00; 150-egg Old Trusty Incubator, \$28.00. Ask for Catalogue. F. O. B. Memphis.

CYCLE HATCHER METAL MOTHER INCUBATOR

These are simple, safe and practical machines for hovering chicks on natural principles. All metal, and will not warp. They have perfect ventilation and are both easy to heat and regulate. Each, \$8.50; by parcel post within 3rd zone, \$9.00.

BUCKEYE PORTABLE HOVER OR BROODER

These are very convenient and satisfactory, giving uniform heat, yet having perfect ventilation. Considered to be the best oil burning brooders ever put on the market. Capacity, 75 to 150 chicks.

Buckeye No. 20, Portable Hover, \$13.50; Buckeye No. 21, Portable Hover, \$17.00; Buckeye No. 22, Portable Hover, \$22.00. F. O. B. Memphis.

BUCKEYE STANDARD COAL BURNING BROODER STOVE

This broods from 100 to 500 chicks; is the most remarkable coal burning brooder ever invented; self-regulating, simple and durable; at the same time much safer than oil burning outfits. As easy to operate as a kitchen range. Without stove pipe.

No. 18, 500-chick size, each, \$25.50. No. 19, 1,000-chick size, each, \$31.50. F. O. B. Memphis.

We are agents for the following well known machines, which we consider the best on the market, without an exception. Send for special catalogues. Owing to limited space, we are unable to describe them fully, but will send full catalogues and circulars on request. Prices quoted are all f. o. b. Memphis.

REED SELF-REGULATING ELECTRIC INCUBATORS

Ask for a catalog, describing the Reed Self-regulating Electric Incubator. When ordering, state voltage on your supply current, as the machine will operate just as well on alternating or direct current. Ask your power plant to give you the proper voltage.

70-egg Reed Electric	-----\$37.50
120-egg Reed Electric	-----45.00
250-egg Reed Electric	-----65.00

All F. O. B. Memphis.

REED ELECTRIC PORTABLE HOVERS

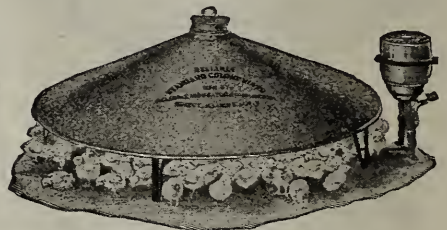
Self-regulating, no trouble, no odor, equipped with automatic cutoff to keep machine from getting too warm, very convenient. You will raise every chick in one of the Reed Electric Portable Hovers.

24-inch Hover	-----\$24.00
30-inch Hover	-----30.00
36-inch Hover	-----37.00

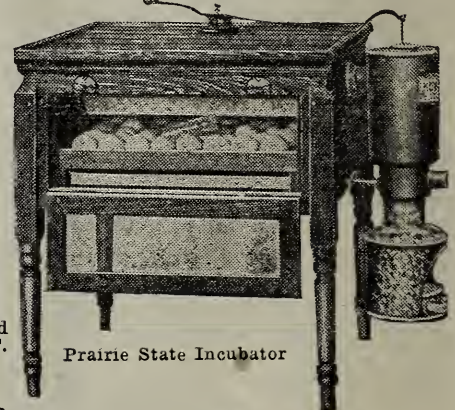
All F. O. B. Memphis.

RELIABLE BLUE-FLAME, WICKLESS, OIL HEATED COLONY HOVER

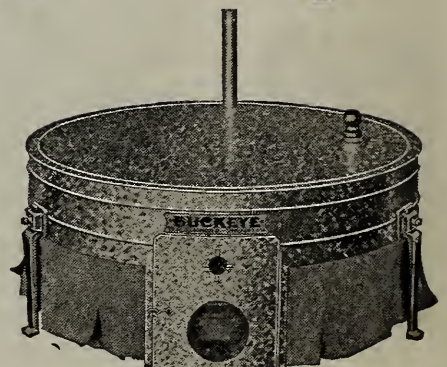
Write for circulars about the wonderful hover.



Reliable Blue-Flame Oil Heater Hover



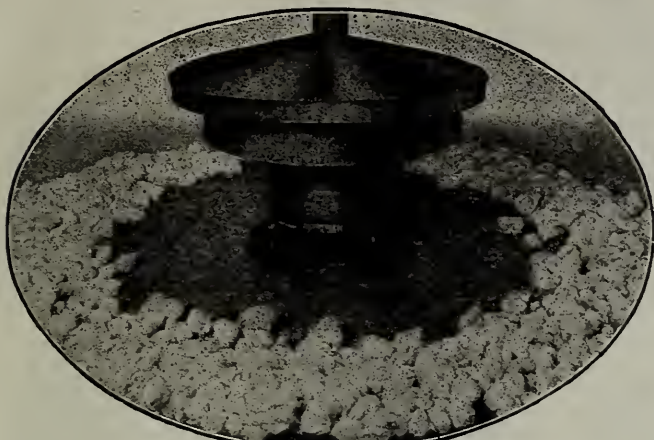
Prairie State Incubator



Buckeye No. 21 Portable Hover

RUSSELL-HECKLE **TOP NOTCH SEEDS** SEED COMPANY

MEMPHIS, TENN



The Simplex Brooder Stove

RELIABLE INCUBATORS

The Reliable Incubators are made to hatch chicks and will do their work with the best of success and with little attention, being very easy to operate. They have an absolutely accurate regulator which does not get out of order. We can furnish the following sizes shipped promptly from Memphis. The sizes not found here may be shipped from the factory on short notice. Write for complete catalogue of Reliable Incubators.

No. 50, 100-egg Reliable Hot Water Incubator	-----\$29.70
No. 52, 120-egg Reliable Hot Water Incubator	-----39.00
No. 54, 240-egg Reliable Hot Water Incubator	-----54.00
No. 81, 60-egg Reliable Hot Air Special Incubator	-----10.50
No. 82, 60-egg Reliable Hot Water Special Incubator	-----15.40
No. 84, 140-egg Reliable Hot Water Special Incubator	-----23.10
No. 9, 500-chick Reliable Coal Stove Brooder	-----25.50
No. 10, 1,000-chick Reliable Coal Stove Brooder	-----31.00

All F. O. B. Memphis.



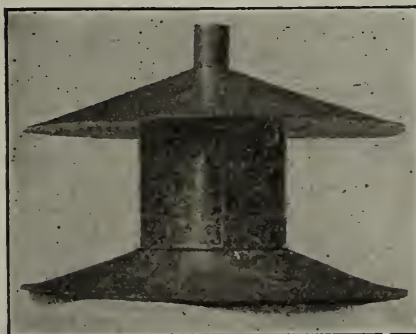
Reliable Incubator

THE LITTLE PUTNAM STOVE

Keep drinking water from freezing. Water kept at a proper temperature is a big help in getting winter eggs. This little stove makes it easy to supply your fowls with water at just the right temperature all through winter. Set an ordinary fountain or water dish on this stove and it will keep the water from freezing. Absolutely safe, for if it becomes buried in the litter or is tipped over it will go out. Costs only 20c to 30c for oil to run an entire winter. Price, \$2.25 each; by parcel post, \$2.50.



Little Putnam Stove



Putnam Brooder Heater

THE PUTNAM BROODER HEATER

Make your own brooder, using one of these dependable little heaters. We furnish full directions how to make a home-made brooder. Anyone handy with a hammer and saw can make one.

There is no heater on the market at any price that equals the Putnam Heater in ease, simplicity and economy of operation; none which uses so little oil per chick. This Heater consumes less than a gallon of oil a month.

Price of Little Putnam Brooder Heater with complete instructions, \$5.50; by parcel post, \$5.75.

The Simplex Brooder Stove

At last we have an oil burning Hover with the safety overflow pipe, that automatically regulates the oil flow; makes no odor, gives uniform heat. The Simplex Stove Brooder is the greatest brooding device ever invented and offered to the public. Made in three sizes. Send for complete catalogue of the wonderful outfits. Prices as follows:

Baby Simplex Brooder Stove, 250 chick size, each	-----\$25.00
Junior Simplex Brooder Stove, 500 chick size, each	-----31.00
Senior Simplex Brooder Stove, 1500 chick size, each	-----38.50

F. O. B. Memphis. If shipped from factory, \$1.00 less on each size.

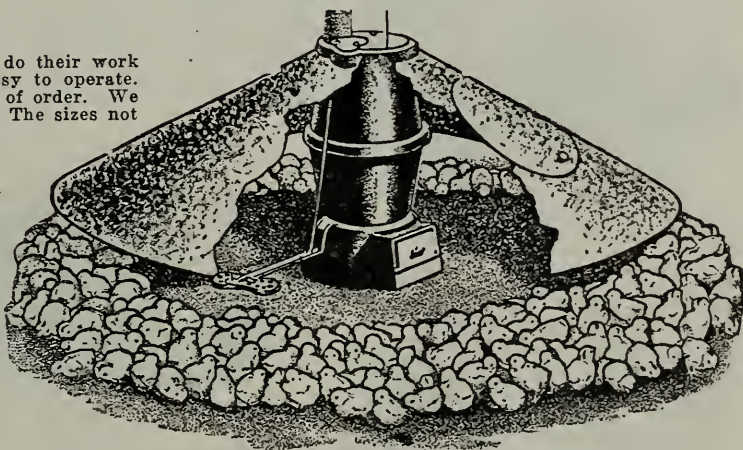
Electro Hatch Incubator

THE LATEST AND BEST DEVELOPMENT OF THE INCUBATOR
ONE STEP FURTHER IN THE UTILIZATION OF THE WONDERFUL
ELECTRIC CURRENT

Ask for complete catalogue of these new machines. We can supply them both for city and farm plants. Prices:

150-egg Electro Hatch Incubator	-----\$47.50
300-egg Electro Hatch Incubator	-----92.50
100-chick Electro Hatch Brooder	-----20.00

Either 110 or 32 voltage.



Buckeye Standard Coal Burning Brooder Stove
(See Page 56 for Prices)

Successful Oat Sprouter

Made in sections, double galvanized steel wall construction, will sprout oats, barley, etc., safely and quickly. Feed sprouted oats to the hens and watch them turn out the eggs. Full directions sent with every machine. Price, No. 1, 2-tray, each \$11.50; No. 2, 4-tray, each, \$14.75; No. 3, 6-tray, each, \$18.50.



Successful Oat Sprouter

RUSSELL-HECKLE TOP NOTCH SEEDS SEED COMPANY

MEMPHIS, TENN

CYPHERS ADAPTABLE HOVER

Complete with galvanized iron lamp box and hover, lamp and thermometer, ready for operation in any brooding house, colony house, coop or other building. Price, each, \$19.50.



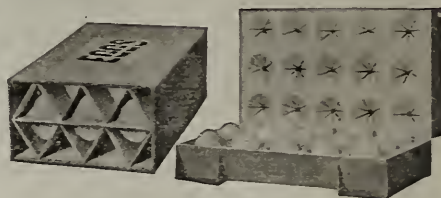
Cyphers Adaptable Hover

THE INTERNATIONAL SANITARY HOVER

Circular in shape; is made of metal throughout, and fireproof. The hover sets on floor just as a mother hen does. The lamp can be lifted out through the top and the operator does not need to kneel in the dust. There is no possibility of gases and fumes from the lamp getting into the air breathed by the chicks. The thermometer can be lifted out, looked at and dropped back without moving the hover. Price, each, \$16.00.

DIAMOND EGG BOX

This is the strongest and safest egg shipping box on the market. Especially recommended for sitting eggs.



Diamond Egg Box



International Sanitary Hover



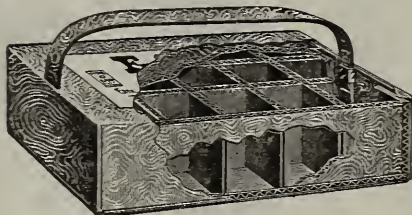
Anderson Sitting Egg Box.

ANDERSON SITTING EGG BOXES

Are made of corrugated paper with double-faced corrugated paper partitions protecting each individual egg.

15-egg size, each, 35c; doz., \$4.00, by express. By parcel post, each, 45c; doz., \$4.35. 30-egg size, each, 50c; doz., \$5.50; by express. By parcel post, each, 60c; doz., \$5.85. 50-egg size, each, 70c; doz., \$7.00, by express. By parcel post, each, 80c; doz., \$7.50. 100-egg size, each, 90c; doz., \$8.50, by express. By parcel post, each, \$1.10; doz., \$9.00.

	Express		Parc. post
	Each	Doz.	Each
15-egg size -----	\$.30	\$3.00	\$.40
30-egg size -----	.45	4.00	.55
50-egg size -----	.60	5.75	.70
24-egg size -----	.35	3.50	.45
36-egg size -----	.45	4.25	.55
48-egg size -----	.55	5.75	.65
60-egg size -----	.70	8.00	.80
72-egg size -----	.80	9.00	.90
100-egg size -----	1.00	10.00	1.10



Eyrie Egg Box

EYRIE EGG BOXES

Specially made for shipping or delivering eggs for setting by express. They are made of corrugated paper, which is the best packing material known. It provides a cushion, which, while elastic, will not crush. The insertion of the handle automatically locks the box. The handle also prevents the putting of anything on top of the box, and provides a means of handling it, thus limiting the liability of rough usage by the express agent.

		Express		Parcel post	
		Each	Doz.	Each	Doz.
15-egg	size -----	\$.35	\$4.00	\$.45	\$4.50
30-egg	size -----	.50	5.50	.60	6.00

The Aluminized Metal Egg Crates

The Aluminized Metal Egg Crates solve the problem of shipping eggs, butter and other farm products by Parcel Post. They are made for continued use, being strongly constructed but light in weight. All Crates are provided with built-in shock absorbers to give a cushion for the eggs. Fillers to hold the eggs are made for long life. Metal Egg Crates do not require outside wrapping for mailing. A short string only is needed for tying "pin" which holds lid securely closed.

THREE STYLES

Metal Egg Crates are made to hold two, three, four and six dozen eggs each, also combination crates to hold eggs and butter of different quantities. Ask for circulars.

Two doz. size, all eggs, each, \$1.35, by parcel post, \$1.42. Three doz. size, all eggs, each, \$1.60, by parcel post, \$1.67. Four doz. size, all eggs, each, \$2.00, by parcel post, \$2.07. Six doz. size, all eggs, each, \$2.25, by parcel post, \$2.35.

COMBINATION CRATES

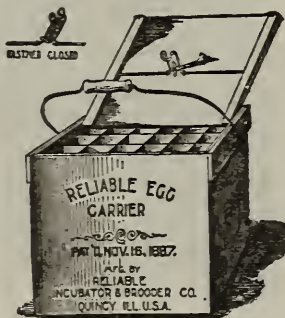
No. 1 holds 2 doz. eggs and 7 lbs. butter, each, \$2.00; parcel post, \$2.17. No. 2 holds 1 doz. eggs, 3½ lbs. butter, each, \$1.75; parcel post, \$1.90. No. 3 holds 2 doz. eggs and 3½ lbs. butter, each, \$2.00, by parcel post, \$2.17. No. 4, holds 3 doz. eggs and 3½ lbs. butter, each, \$2.25, by parcel post, \$2.40.

METAL BUTTER CRATES

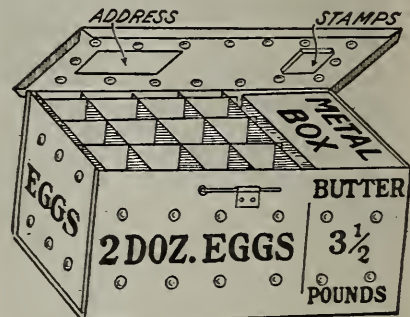
No. 5 holds 14 lbs. butter, each, \$2.75, by parcel post, \$2.90. No. 6 holds 7 lbs. butter, each, \$2.50, by parcel post, \$2.65. No. 7 holds 10½ lbs. of butter, each, \$3.00, by parcel post, \$3.25.

RELIABLE EGG CARRIER

One of the safest, best and most complete egg carriers on the market. It is equipped with an adjustable cover and a patent combination lifter and fastener. Price, 12 doz. egg size, each \$2.00. By parcel post, within 3rd zone, \$2.25.



Reliable Egg Carrier

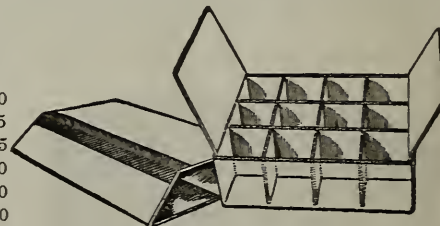


No. 3 Aluminized Metal Egg Crate

PARCEL POST EGG BOXES

These boxes are so constructed that each egg is separated by a thickness of corrugated board and the entire contents are surrounded by a double wall of air-cushioned corrugated board. Absolute protection is therefore assured.

		Express		Parcel post	
12-egg size	-----	\$.25	\$2.75	\$.30	\$3.00
24-egg size	-----	.35	4.00	.45	4.35
36-egg size	-----	.50	5.00	.60	5.35
48-egg size	-----	.60	6.00	.70	6.50
50-egg size	-----	.70	7.00	.80	7.50
72-egg size	-----	.75	8.00	.85	8.50
120-egg size	-----	.85	8.50	.95	9.00



Parcel Post Egg Box

EYRIE SHIPPING COOPS

Light in weight, but strong and durable. Ends and sides heavy corrugated cardboard. Top and bottom wood.

		Parc.			Parc.
Exp.		post	Exp.		post
No. B, 3-bird size, each	-----\$1.00	\$1.20	No. D, 5-bird size, each	-----\$1.50	\$1.65
No. C, 4-bird size, each	-----1.20	1.30	No. E, 6-bird size, each	-----1.75	1.90

RUSSELL-HECKLE TOP NOTCH SEEDS SEED COMPANY

MEMPHIS, TENN



Sefton Live Chick Shipping Box

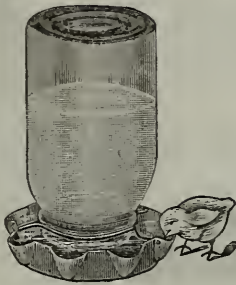
ATSATT'S SANITARY CHICK DRINKING FOUNTAIN

Will go in any brooder; easy to clean; will not upset; 1 qt. size only, express, 50c. By parcel post, 60c.

OAKES FEEDER AND FOUNTAIN

A galvanized pan made to hold any Mason fruit jar. Easily cleaned and keeps water always so it can be seen.

Can be used either for feed or water. We do not furnish jars. Price, each, 20c; 3 for 50c; by parcel post, each, 25c 3 for 60c.



Oakes Feeder and Fountain

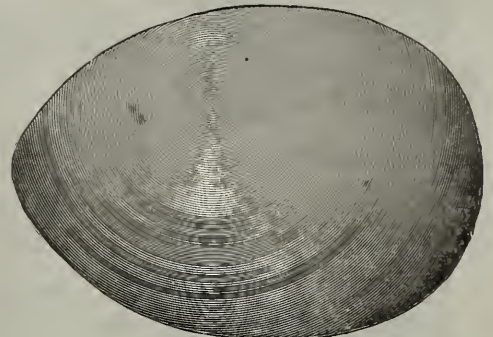
NEST EGGS

These are very effective, especially the medicated ones, which not only act as a nest egg, but will kill mites and lice at the same time. Prices as follows:

Medicated Nest Eggs, doz., \$1.00; parcel post, \$1.15.

Lime Nest Eggs, doz., 45c; parcel post, 60c.

China Nest Eggs, doz., 45c; parcel post, 55c.



Lime Nest Egg

ECONOMY FOUNTAIN AND FEEDER

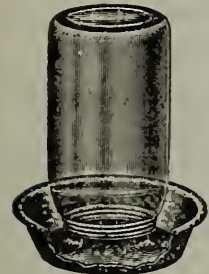
These pans make one of the finest feeders that we know of. In the first place there is nothing loose—only one part. Nothing to get lost. The feet supporting the thread socket into which the Mason jar screws are firmly welded to the bottom of the pan. They can be used for either food or water and afford a constant clean supply. We do not furnish the glass jar, but any Mason jar will fit them.

Express, each, 40c; 6 for \$2.25. Parcel post, each, 50c; 6 for \$2.50.

MOE'S ROUND BABY CHICK FEEDER

The most convenient feeder on the market. Can also be used for water. Manufactured in two sizes.

No. 11, 30c; by express. Parcel post, 35c. No. 12, 45c; by express. Parcel post, 55c.



Economy Fountain and Feeder

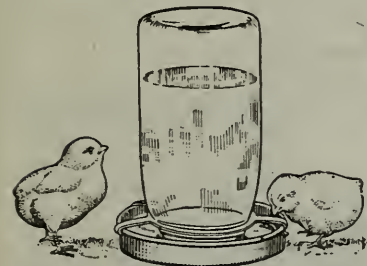


Moe's Round Baby Chick Feeder



OAKE'S CHICK FEED TROUGHS

These troughs are very convenient for feeding flocks of growing chicks. The trough is made on a half circle so that every bit of feed can be easily eaten out of it. 10-inch trough, 45c; by parcel post, 65c; 20-inch trough, 60c; by parcel post, 85c.



The N. W. Chick Fountain

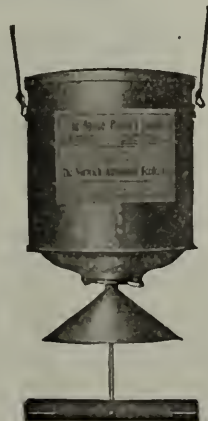
THE N. W. CHICK FOUNTAIN

Feeds water, grain, etc., automatically. Is easy to fill and operate. Just lift the trigger, which releases pan, clip remaining on jar, leaving pan without any obstruction, affording easy cleaning. Made to fit any half-gallon, quart or pint Mason jar. We do not furnish jars.

Small size, each, 20c; three, 50c; by express. Parcel post, each, 25c; three, 60c. Large size, each, 25c; three, 65c; by express. Parcel post, each, 30c; three, 75c.

MOE'S RABBIT HAY AND FEED RACK

For holding Roots or Hay, Alfalfa, Clover, etc. It prevents scattering hay and wasting. The round trough at the bottom catches the small, tender leaves. Feed saved soon pays for Rack. Price each, 95c; par. post, \$1.15.



Apaco Poultry Hopper



Moe's Rabbit Hay and Feed Rack



One Gallon Size
Standard Wall Fountains

STANDARD WALL FOUNTAINS

Are made of the best galvanized iron and will last many years with the proper treatment. It can be hung on wall of a building or against an upright post or board at any height. A hood projects over the water trough and prevents the water from becoming soiled. 1 gallon size, \$1.25, 2 gallon size, \$1.75; parcel post, 15c extra.

THE APACO POULTRY HOPPER

Constructed to fill a long-felt want for a good feeder at a small price. The Apaco Feeder will save work and worry; insures proper feeding, increases egg production, decreases feed bills, scatters the feed thoroughly; it won't clog. 8-qt. size only, \$1.75; by parcel post, \$2.00.

RUSSELL-HECKLE TOP NOTCH SEEDS SEED COMPANY

MEMPHIS, TENN

MOE'S TOP FILL FOUNTAIN

The latest and most practical sanitary fountain on the market. This is a double fount, keeps the water clean and pure. Easy to fill; easy to care for.
1-gal. size, by express, \$2.20; by parcel post, \$2.40. 2-gal. size, by express, \$3.10; by parcel post, \$3.40.

STAR CHICK FOUNTAIN

No parts to come unsoldered. Leaking impossible. Will fit pint, quart or half-gallon Mason jar. No. 32, each, 20c; 6 for \$1.00. By parcel post, each, 25c; 6 for \$1.10. Price of holder without jar. Use your own.



Star Chick Fountain



Acme Chick Server



ATSATT'S CHICK FEEDER

"They cannot get into it." Therefore clean food. The top removes easily for cleaning. Springs back into place. Can be used for either wet or dry feed or for water. Can not rust. Size 10 in. long, 4 in. wide. Just the thing for your brooder. Price, 45c; parcel post, 55c.

ACME CHICK SERVER

Made with protecting bar to avoid wasting the feed. The rounding bottom also enables the chicks to clean out the last particle. Each, 30c; by parcel post, 45c.



Moe's Top Fill Fountain

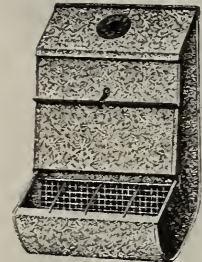
MOE'S NEVER CLOG DRY FOOD HOPPER

One of the best hoppers on the market. Does not clog, no matter how coarse the mash is.

No. 35, 12-qt. capacity, \$2.10; by parcel post, \$2.45. No. 36, 18-qt. capacity, \$2.75; by parcel post, \$3.15. No. 37, 24-qt. capacity, \$4.20; by express only.

PHILADELPHIA GALVANIZED IRON DRINKING FOUNTAIN

Made of heavy galvanized iron, all seams being carefully turned and soldered. Easily cleaned. 1-qt. size, 45c; 2-qt. size, 55c; 1-gal. size, 95c. Postage 10c each extra.

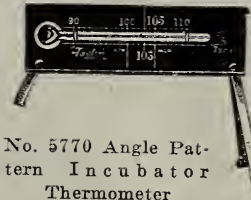


Moe's Never Clog Dry Food Hopper

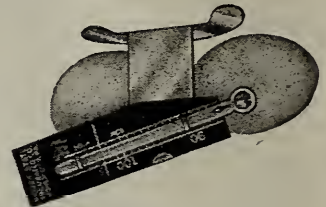
STANDARD GRIT AND SHELL BOX

By the use of these self-filling boxes practically every particle of grit, oyster shells, bone meal, forcing food, grain, scraps and other materials supplied will be properly used, preventing all waste, and thus increasing the profits.

2 compartments, each, by express, 55c; parcel post, 65c. 3 compartments, each, by express, \$1.45; parcel post, \$1.70. 4 compartments, each, by express, \$1.80; by parcel post, \$2.25.



No. 5770 Angle Pattern Incubator Thermometer



Prairie State Incubator Thermometer

INCUBATOR AND BROODER THERMOMETERS

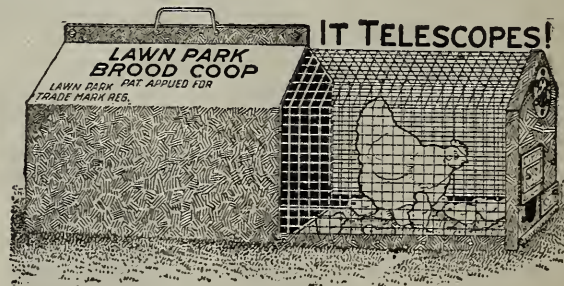
We handle the celebrated Tyco's Thermometer. They can be used in any make of incubator. Just state which machine you are using and whether you want the Thermometer to hang or to stand.

Prices as follows:

No. 5770. Straight pattern, with adjustable legs, each	-----	\$1.00
No. 5774. Angle pattern, to hook on wire, each	-----	1.00
No. 5782. Certified thermometer, each	-----	1.25
Buckeye Incubator Thermometer, each	-----	1.20
Prairie State Incubator Thermometer, each	-----	1.00
Queen Incubator Thermometer, each	-----	1.25
Old Trusty Incubator Thermometer, each	-----	1.25
Cycle Hatcher Incubator Thermometer, each	-----	1.25
Cyphers Incubator Thermometer, each	-----	1.25
No. 5790 Brooder Thermometer, each	-----	.75
Mandy Lee Thermometer, each	-----	1.25
Mandy Lee Hygrometers, each	-----	2.25
By parcel post, 10c extra.		

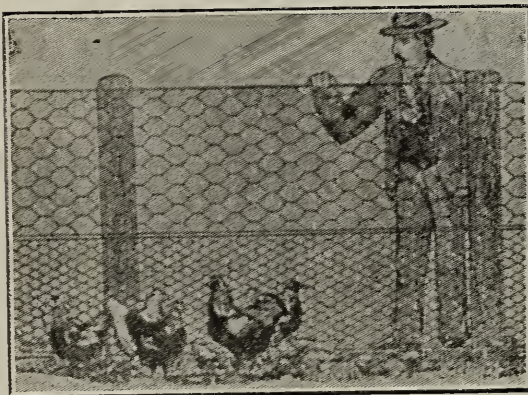
TYCOS INCUBATOR HYGROMETERS

Millions of chicks die in the shell every year for the want of proper moisture conditions. The importance of a correct percentage of moisture during incubation has made the "Tyco's" Hygrometer as necessary as the "Tyco's" Incubator Thermometer. Price, each, \$1.80; parcel post, \$2.00.



THE LAWN PARK BROOD COOP

The wire park pulls out like a bureau drawer and is made from heavy galvanized wire netting. Body of coop is made from strong galvanized steel. Size of coop, 18 inches wide, 19 1/2 inches high, 48 inches long. Protects the chicks from hawks, rats, weasels, vermin, cold and storms. It is so ventilated that when park is pushed in the air circulates freely without admitting rain or snow. Allows sunshine, fresh air, and change of grass. The Park affords plenty of room to feed without crowding. Can be moved from place to place easily. The coop has removable galvanized bottom. Easy to clean. Each, \$5.50, set up ready to use, f. o. b. Memphis. Six for \$30.00, knocked down.



POULTRY NETTING

The best grades of No. 19 Galvanized Wire, priced per roll of 150 feet, all f. o. b. Memphis. b We do not break or cut rolls.

2-inch mesh, 12 inches high, per roll of 150 feet	-----	\$2.35
2-inch mesh, 18 inches high, per roll of 150 feet	-----	2.75
2-inch mesh, 24 inches high, per roll of 150 feet	-----	3.25
2-inch mesh, 30 inches high, per roll of 150 feet	-----	4.00
2-inch mesh, 36 inches high, per roll of 150 feet	-----	4.50
2-inch mesh, 48 inches high, per roll of 150 feet	-----	5.50
2-inch mesh, 60 inches high, per roll of 150 feet	-----	6.50
2-inch mesh, 72 inches high, per roll of 150 feet	-----	8.00
1-inch mesh, 12 inches high, per roll of 150 feet	-----	4.50
1-inch mesh, 18 inches high, per roll of 150 feet	-----	6.00
1-inch mesh, 24 inches high, per roll of 150 feet	-----	7.50
1-inch mesh, 30 inches high, per roll of 150 feet	-----	8.75
1-inch mesh, 36 inches high, per roll of 150 feet	-----	10.00
1-inch mesh, 48 inches high, per roll of 150 feet	-----	12.00

RUSSELL-HECKLE TOP NOTCH SEEDS SEED COMPANY

MEMPHIS, TENN



Perfection Celluloid Key Ring Band

PERFECTION CELLULOID KEY RING LEG BANDS

Perfection Colored Celluloid Bands. These slip on like a key ring; cannot drop off; easily removed if necessary. Made of the various colors—white, pink, yellow, green, dark blue, light blue, red and ruby. Made in all sizes. When ordering state for what breed and color you want them. Prices as follows:

	Doz.	25	50	100
No. 1, Asiatic breeds	\$.25	\$.40	\$.75	\$1.50
No. 2, Mediterranean breeds	.20	.35	.65	1.25
No. 3, American or Leghorn	.20	.35	.60	1.00
No. 4, Bantam and growing stock	.20	.35	.60	1.00
No. 5, Pigeon size	.20	.35	.60	1.00
No. 6, Baby Chick size	.20	.35	.60	1.00



CHAMPION LEG BAND

These are adjustable to fit any size fowl, very light and will not come off easily. Numbered from 1 to 300. Price, per doz., 15c; 25, 25c; 100, 75c; parcel post paid.



MOE'S ADJUSTABLE LEG BAND

These bands are made of aluminum and packed in cartons of 12, 25, 50 and 100 bands each. 12 bands, 20c; 25 bands, 35c; 50 bands, 50c; 100 bands, 80c.

CAPITAL LEG BANDS

Made of Aluminum, extra strong and smooth, adjustable to any size fowl. Have raised numbers; easy to put on. Doz., 20c; 25, 40c; 50c, 75c; 100, \$1.25; parcel post paid.



VICTOR COLORED NUMBERED LEG BANDS

An extra strong colored band with large numbers that can be easily seen without picking up the fowl. We can furnish them in Red, Yellow and White. They fit any breed, being adjustable. Numbered from one to one hundred. Price, doz., 60c; 25, \$1.15; 100, \$4.25; parcel post paid.

AUTOMATIC CHICK GREASER

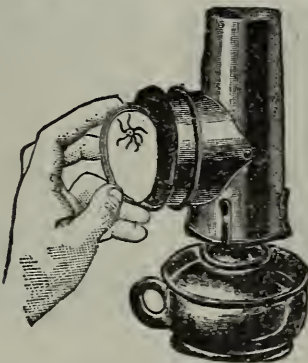
Kills mites, head lice and other insects on the baby chicks while they are eating; their heads rub against the wick and they grease themselves while satisfying their hunger. A very simple little machine. Price, each complete, \$1.50. By parcel post \$1.70.



Automatic Chick Greaser

THE DANDY EGG TESTER

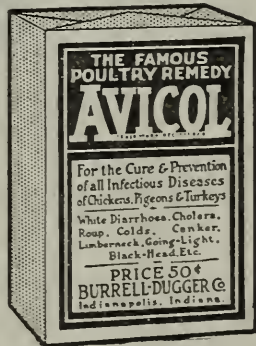
Will fit any hand lamp and test your eggs in a most satisfactory manner. Price, each, 40c; by parcel post, 50c each.



Dandy Egg Tester

AVICOL STOPS CHICKS DYING

A safe and effective remedy in tablet form for White Diarrhoea, Cholera, etc., in small and large grown fowls. Avicol is now being used by thousands of successful poultry raisers the world over. Write for circulars. Price, trial box, war tax added, 26c; large box, war tax added, 52c; extra large box, war tax added, \$1.04; postage, 2c extra.



ZENOLEUM

A scientifically compounded preparation. The various kinds are used for live stock and poultry to prevent lice and mites as well as general use about the farm, barn and hen house.

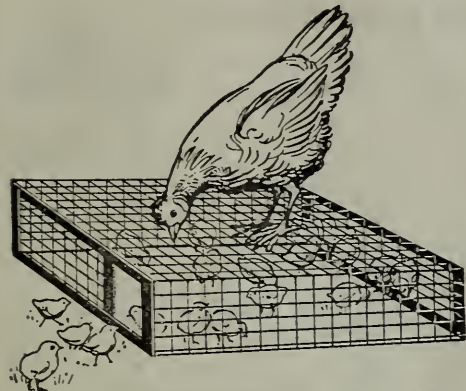
Zenoleum is used and recommended by fifty agricultural colleges and experimental stations.

	By Express	Parc. post
Zenoleum Dip and Disinfectant, 8-oz. can	\$.35	
Zenoleum Dip and Disinfectant, 1-qt. can	.75	
Zenoleum Dip and Disinfectant, 2-qt. can	1.25	
Zenoleum Dip and Disinfectant, 1-gal. can	2.00	Not
Zenoleum Dip, 5-gal. can	8.00	
Zenoleum Household Disinfectant, pint can	.50	mail-
Zenoleum Lice Paint, 1-qt. can	.60	able.
Zenoleum Lice Paint, 2-qt. can	1.00	
Zenoleum Lice Paint, 1 gal. can	1.50	
Zenoleum Lice Powder, box	.30	40c

TALCIMIZED SODIUM FLUORIDE KILLS POULTRY LICE

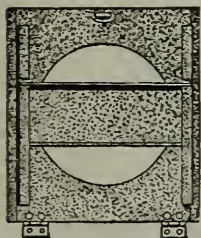
The U. S. Department of Agriculture recommends Sodium Fluoride to kill poultry lice. They report that it does the work better than anything else, killing both old and young lice, including the young which come from the eggs present on the fowl at the time of treatment. Price, per box, 35c; by parcel post, 45c.

TALCIMIZED SODIUM FLUORIDE



THE PERFECTION CHICK FEEDER

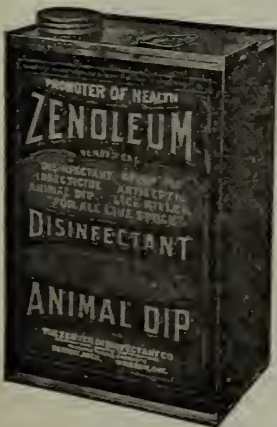
This simple wire feeder protects the little chicks and insures them plenty of feed, and will pay for itself many times over in economy of feed. It can be used to prevent mother hens from straying with their broods, and also in connection with the Lawn Park Brood Coops. Price, \$1.75 each. By express only.



MOE'S TRAP-NEST FRONT

The trap Nest Front that we offer is quickly attached to any box style nest. Cheaper and better than making your own. Simple in design, well made, trapping the hen without fail. It is a pleasure to use a well made article of this kind. It is made from galvanized iron, 11 inches high, and is furnished complete with hinges. Price, 75c

Moe's Trap-Nest Front each. By parcel post, 85c.



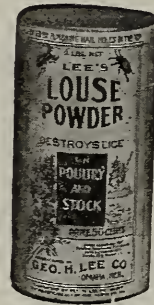
RUSSELL-HECKLE TOP NOTCH SEEDS SEED COMPANY

MEMPHIS, TENN



Pratt's Poultry Remedies

	By Express war tax added	By Parcel post
Pratt's Poultry Regulator	\$.32	\$.40
Pratt's Poultry Regulator	.63	.75
Pratt's Poultry Regulator	1.24	1.45
Pratt's Poultry Regulator, 25-lb. pail	3.12	3.50
Pratt's Roup Remedy	.32	.34
Pratt's Cholera Remedy	.32	.34
Pratt's Gape Remedy	.32	.35
Pratt's Sorehead Remedy	.32	.36
Pratt's Head Lice Ointment	.30	.35
Pratt's White Diarrhoea Cure	.32	.34
Pratt's Lice Powder	.30	.40
Pratt's Condition Tablets	.32	.34
Pratt's Animal Regulator	.32	.40
Pratt's Animal Regulator	.63	.75
Pratt's Animal Regulator, 25-lb. pail	4.16	4.60
Pratt's Animal Worm Powder	.53	.60



Lee's Poultry Supplies

	By Express war tax added	By Parcel post
Lee's Lice Powder, small size	.30	*
Lee's Lice Powder, large size	.60	*
Lee's Eggolatum, per jar	.52	.60
Lee's Germozone Tablets, small box	.26	.30
Lee's Germozone Tablets, large box	.78	.80
Lee's Egg Maker, 2-lb. package	.52	.62
Lee's Egg Maker, 5-lb. package	1.04	1.24
Lee's Egg-O-Hatch, box	.52	.60
Lee's Liquid Lice Killer, 1 qt.	.50	*
Lee's Liquid Lice Killer, 2 qts	.90	*
Lee's Liquid Lice Killer, 1 gal	1.50	*
Lee's White Diarrhoea Remedy, 4-oz. bottle	.26	*
Lee's White Diarrhoea Cure, 12-oz. bottle	.52	*
Lee's Germozone Liquid, 4-oz. bottle	.42	*
Lee's Germozone Liquid, 12-oz. bottle	.78	*
Lee's Germozone Liquid, 1-qt. bottle	1.56	*

Articles marked * are not mailable.

Conkey's Poultry Remedies

We recommend Conkey's, because we know Conkey's is absolutely dependable. Conkey's must satisfy you or we'll refund your money quick.

	By Express war tax added	By Parcel post
Conkey's Cholera Remedy, small size	\$.32	\$.35
Conkey's Cholera Remedy, large size	.63	.70
Conkey's Gape Cure, small size	.32	.35
Conkey's Gape Cure, large size	.63	.70
Conkey's Roup Powder, small size	.32	.35
Conkey's Roup Powder, large size	.63	.70
Conkey's Roup Pills, small size	.32	.35
Conkey's White Diarrhoea Cure, small size	.32	.35
Conkey's White Diarrhoea Cure, large size	.63	.70
Conkey's Sorehead Remedy, small size	.32	.35
Conkey's Sorehead Remedy, large size	.63	.70
Conkey's Scaly Leg Remedy, small size	.32	.35
Conkey's Poultry Worm Remedy, small size	.32	.35
Conkey's Poultry Laxative, small size	.32	.35
Conkey's Poultry Conditioner, small size	.32	.35
Conkey's Limber Neck Remedy, large size	.63	.70
Conkey's Head Lice Ointment, small size	.15	.20
Conkey's Head Lice Ointment, large size	.30	.35
Conkey's Lice Fix, small size	.30	.35
Conkey's Lice Fix, large size	.60	.65
Conkey's Canker Special, large size	.63	.70
Conkey's Lice Powder, small size	.15	.20
Conkey's Lice Powder, 15-oz. size	.30	.35
Conkey's Lice Powder, 48-oz. size	.60	.65
Conkey's Poultry Tonic, 3-lb. package	.63	.70
Conkey's Lice Liquid, quart can	.60	*
Conkey's Lice Liquid, 1/2-gal. can	.90	*
Conkey's Lice Liquid, gallon can	1.50	*
Conkey's Noxicide, pint can	.50	*
Conkey's Noxicide, quart can	.75	*
Conkey's Noxicide, 1/2-gal. can	1.25	*
Conkey's Noxicide, gallon can	2.00	*

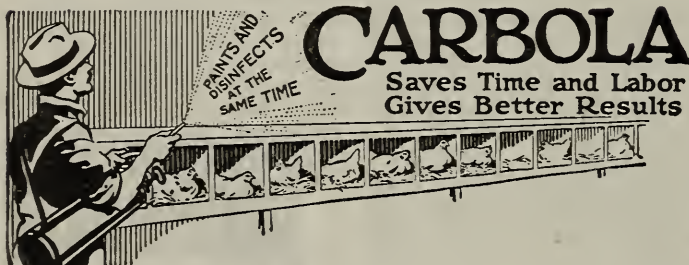
Articles marked * are not mailable.

Red Cross Rat and Mouse Embalmer



A sure rat and mouse destroyer that does the work thoroughly without any odor. It is absolutely the best preparation of its kind.

The past Summer the rats and mice became so bad in our retail store that we were forced to sit up at nights to keep them from destroying our goods. We tried many remedies, traps of all kinds; in fact, we spent \$20.00 or \$30.00 trying to stop them but without avail. A friend of ours told us to try Red Cross Rat Embalmer and we must say it did the work. We sold it to dozens of our neighbors on Front Street, and all have had fine results. If you are bothered with rats or mice, we can help you to get rid of them. Price, 50c, \$1.00 and \$3.00 per can by express only. Red Cross Rat and Mouse Embalmer being poison, cannot be mailed.



CARBOLA
Saves Time and Labor
Gives Better Results

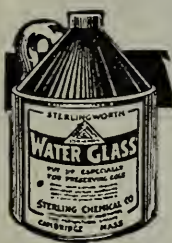
Carbola

The disinfectant that paints. Carbola is infinitely superior to lime, which loses what slight disinfectant qualities it ever had by slacking when exposed to the air. It is very much better than kalsomine or whitewash, because it paints just as clean and bright a white, but will not chip, scale or peel off—no matter how many coats are applied. It may be used on either stone, brick, wood, metal or cement, and can be put on over a whitewashed or painted surface. Can be applied with either sprayer or brush. Price, trial pkg., post-paid, 45c; by express, 30c; 10-lb. pkg., \$1.25; 50-lb. sack, \$5.00.



Blatchford's Calf Meal

The Complete Milk Equal
Just the thing to raise or veal your calves right from birth. Then sell your milk and get the benefit of the high creamery prices. No more scouring calves. It is absolutely the only milk substitute containing all the elements necessary for rapid and healthy growth, and the only calf meal that is thoroughly cooked and prepared for digestion. Being the original and best. It will push your calves forward better and quicker than any other food. By freight, 25 lbs., \$2.00; by parcel post, \$2.35.



Water Glass

For preserving eggs; put your eggs down in the spring and summer when they are cheap and keep them fresh for ten months with Sterlingworth water glass. One quart is sufficient for 12 dozen eggs. 1 qt. size, 45c; 1 gal. size, \$1.50. Not mailable.

Kow-Kure

Watch every cow, and at the first sign of disorder in appetite, digestion or flow of milk, give a dose of KOW-KURE. Carefully follow the directions as given on the box, and that cow will get well.

KOW-KURE is in powder form, to be given in regular feed. It cures abortion, barrenness and scours, caked udder, removes retained after-birth, purifies the blood, strengthens the appetite, vitalizes the nerves and prevents disease. It increases the milk. It is a medicine for cows only.

Price, war tax added, small size, 73c; by parcel post, 85c. Price, war tax added, large size, \$1.45; by parcel post, \$1.60.



Wright's Condensed Smoke

Is a liquid smoke and contains nothing except what is obtained by burning hickory wood.

THE NEW WAY OF SMOKING MEAT

By applying two coats of Wright's Condensed Smoke directly to the meat with a brush after meat has gone through the salt, it will be thoroughly smoked; will have a delicious flavor and will keep solid and sweet and free from insects through the entire Summer. Trial size, 32c per bottle, war tax added; quart size, \$1.30, war tax added. By express only.



Destroys worms in cattle, hogs and horses. Mixed in the feed the stock take their own medicine. Send for booklet for information on this splendid preparation.

	By express	War tax added Parcel post
Salvet Stock Tonic, 5-lb. pkg	\$.78	\$.95
Salvet Stock Tonic, 15 lbs.	1.72	2.10
Salvet Stock Tonic, 40-lb. box, not mailable	3.75	
Salvet Stock Tonic, 100-lb. keg, not mailable	7.80	
Salvet Poultry Tonic, pkg.	.32	.40
Salvet Lice Powder, pkg.	.30	.40
Salvet Gall Cure, pkg.	.32	.35

Bee Dee Poultry Medicine

Prevents and eliminates diseases, increases egg production. Bee Dee is a concentrated medicine, contains no filler whatever. It is also a tonic for hogs, cattle and horses. Per box, war tax added, 32c and 64c; by parcel post. 40c and 70c.

Licene

Licene will destroy every louse and "nit" on your chickens, usually keeping them free from lice for six months. Per tube, 60c; by parcel post, 5c extra.



Don Sung

A new discovery, makes hens lay, absolutely guaranteed to put your hens in good condition and make them lay more eggs.

Don Sung (Chinese for egg laying), is given in the feed and doesn't force or burst the hen in any way; in fact, it makes her healthier. It is a new scientific discovery for hens, that merely stimulates the egg organs, making her strong and vigorous and as a result she lays regularly in any season. Try a box. Price, war tax added, box, 52c; parcel post paid. Large size, war tax added, box, \$1.04; parcel post paid. Special size, war tax added, \$5.20; parcel post paid.



Blatchford's Pig Meal

From Sow to Pasture

Wean your little pigs easily, safely and cheaply on Blatchford's Pig Meal. From Pig-hood to Porkage it gives big bone and solid flesh. Prevents loss of growth and vitality during the critical weaning period, and always makes the runts catch up. 25-lb. bag, \$2.00; by parcel post, \$2.35.

Blatchford's Lamb Meal

Especially prepared for young lambs and goats, besides bringing them to maturity quickly. It keeps them in the best condition at all times. Feeding directions in every bag. Price, 25 lb. bags, \$2.00; by parcel post in limit of 3rd Zone, \$2.35.

Top Notch Rabbit Mash

A superior mixture, especially for Rabbits. The feed should be well dampened eight or ten hours before using. Feed nothing else except alfalfa hay and you will raise every Rabbit hatched. Price, 4 lbs., 25c; by parcel post, 40c.

Blatchford's Rabbit Meal

A milk substitute for weaning rabbits. Avoids indigestion or slobbers. Should be fed to nursing does. If you want healthy, well developed, fast growing rabbits, be sure to try a bag of Blatchford's Rabbit Meal. 25 lbs., \$2.25; by parcel post, \$2.60.

Choline

A scientific compound for curing cholera, roup and other poultry ailments; they take their own medicine, as the preparation is used in the drinking water. Two sizes. Bottles, 37c and 68c each, war tax added. Not mailable. Choline Tablets, 37c and 68c a box. Postpaid.



Bag Balm

A soothing ointment. Relieves and cures udder trouble, caked bags, cow pox, chapping, inflammation of all kinds in cows. Prevents soreness, makes the cow an easy milker.

Price per box, 68c, war tax added; by parcel post, war tax added, 70c.

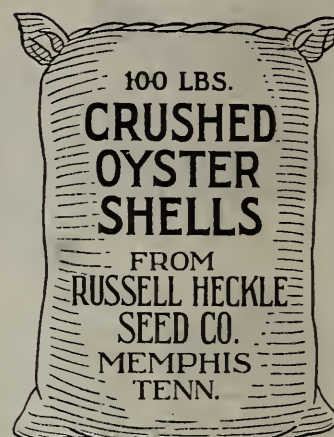
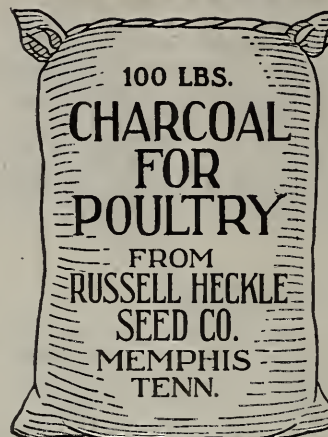
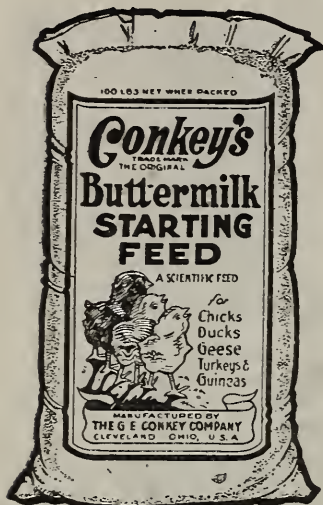
PRICES—Account catalog going to press before spring market has been established on all feeds, we are unable to quote quantity prices on this page. For current prices see Special Green Ink Price Sheet enclosed.

Revenge Lice Powder

An oily Lice Powder that sticks well to the feathers and will kill all body lice on Poultry. Per box, 60c and 95c. By parcel post, 70c and \$1.10.

RUSSELL-HECKLE TOP NOTCH SEEDS SEED COMPANY

MEMPHIS, TENN



Conkey's Buttermilk Starting Food

The history of poultry keeping records no triumph such as this wonderful chick food has had. The rich, pure buttermilk is mixed with a combination of clean, wholesome grains, balanced just right for the sensitive organs of the little chicks. The lactic acid keeps down dangerous germs; the buttermilk and grains make the chicks grow wonderfully fast, solid and sturdy. Try a small package and see for yourself. By freight, 2 lbs., 25c; 5 lbs., 50c; by parcel post, 2 lbs., 35c; 5 lbs., 65c.

Conkey's Buttermilk Growing Mash

A real companion to the starting feed and keeps up its splendid work. Conkey's Buttermilk Growing Mash, develops bone and muscle, gives wonderful growth and gets your stock in shape for some real egg-laying. Price, 3 lbs., 25c; by parcel post, 40c. For quantity price, see Green Ink List.



Blatchford's Milk Mash

Will Save Your Baby Chicks

No more bowel trouble, leg weakness or white diarrhoea. Start right! Try a bag of this complete milk substitute, which nourishes all kinds of young poultry the same as pure whole milk, at half cost. It is a perfect blending of just those food elements necessary for the very best results. Fancy milk-fed broilers or roasters fattened on it command top prices on account of their size and choice quality of meat. Two pounds will raise a chick to the age of three months. By freight, 4 lb. pkg., 45c; by parcel post, 55c.

Chamberlain's Perfect Chick Feed

Nature's own food blended together in just the proper proportions that make the raising of chickens a source of pleasure and profit. Contains Meat, Bone, Charcoal, Grit, Oatmeal, etc. Does not contain CORN, and avoids bowel trouble, and other diseases caused by improper food. Contains every ingredient necessary for the successful raising of baby chicks, making it unnecessary to feed them anything else. 3 lbs., 25c; 6 lbs. pkg., 45c; by parcel post, 3 lbs., 35c; 6 lbs., 60c.



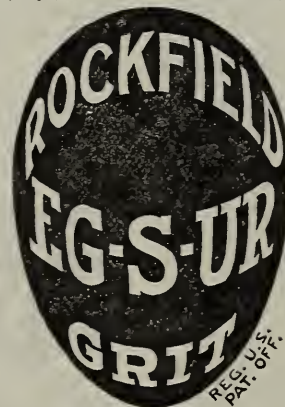
Pratt's Baby Chick Food

When baby chicks come, keep them healthy and growing and bring even the weak ones along by feeding PRATT'S BABY CHICK FOOD.

A largely predigested baby food for baby chicks. Guaranteed to raise every livable chick. Prevents leg weakness, white diarrhoea, "pasting up" and other chick diseases.

Using Pratt's Baby Chick Food means Life Insurance for the baby chicks for the critical first three weeks period, at a very small outlay and guaranteed to give the little fellows a splendid start which will prove the foundation for the development of strong, healthy pullets and cocks.

2½ lb. box, 35c; 5¼ lb. box, 70c; 14 lb. bag, \$1.65. By parcel post, 2½ lb. box, 45c; 5¼ lb. box, 85c; 14 lb. bag, \$2.00. For prices on larger quantities see Green Ink List enclosed.



Eg-S-Ur-Grit

Answers every purpose of oysters shells, costs less and is an ideal Grit besides. Grit serves as a fowl's teeth, to grind the food in the gizzard for digestion. Leave it to the hen, leave it to the chick, they know a good thing when they see it. 10 lbs. 25c. parcel post within 3rd zone 45c.. Prices on larger amounts quoted on request.

Red Cross Health Grit

A tonic and grit combined for pigeons; one of the best preparations on the market. By freight, 5 lbs., 25c; by parcel post, 40c.

Red Cross Baby Chick Grit, 4 lbs., 25c. By parcel post, 40c.

Red Cross Bird Grit. A superior grit for canary birds. Box, 20c; parcel post, 30c.



Crys-Co Grit And Shell Producer

A shell producer and grit in one; hard, sharp, and cubical. It is the crystalized molluscan shell formation, or petrified shell; increasing the hens' laying power and keeping them healthy. Fine or coarse. By freight, 10 lbs., 25c; by parcel post, within third zone, 45c.

FUL-O-PEP DRY MASH GROWING MASH DRY MASH

AS THE MARKET CHANGES ON GRAIN ARE SO VERY FREQUENT, WE CANNOT MAKE PRICES THAT WILL HOLD GOOD THROUGHOUT THE SEASON, BUT WILL BE GLAD TO QUOTE UPON APPLICATION. FOR CURRENT PRICES SEE SPECIAL GREEN INK PRICE SHEET ENCLOSED.



Full-O-Pep Baby Chick Food

A complete grain feed for chicks from 3 to 8 weeks old. It is a standard mixture of re-cleaned cracked grains and seed, hulled oats, fine granulated bone and fine charcoal. It produces healthy and rapid growth, and is intended for feeding until the chickens are large enough to be fed the coarse chick feed. A trial will demonstrate its feeding value. 4-lb. pkg., 25c; by parcel post, 35c. See Green Ink list for bulk price.



Full-O-Pep Growing Chick Mash

This is, without doubt, the finest quality growing mash ever placed at the disposal of the poultryman, large or small. It is, in part, Oatmeal ground fine—and we have nicely balanced it with other bone and muscle forming ingredients conducive to the making of rapid growth.

4 lbs., 25c; by parcel post, 35c. See Green Ink list for bulk price.



Full-O-Pep Dry Mash

You will agree with us when you try it, that Full-O-Pep is the last word in an egg-producing ration. One quart to every ten hens. Feed it dry from a good hopper. Price of Full-O-Pep Mash, 5 lbs., 25c; by parcel post, 40c. For price on 100 lbs., or full bag lots, see Green Ink Price List which we enclose.

Full-O-Pep Scratch Feed

Contains a large assortment of cracked and small grain, giving the hen a properly balanced ration. It contains the grains for the laying hens to keep them in condition to lay; you should feed a dry mash along with it. Feed about two-thirds of a pint of Full-O-Pep Scratch-Feed to each ten hens, in straw or litter in order to make the birds scratch, as exercise is necessary to health.

5 lbs., 25c; by parcel post, 40c. See Green Ink list for bulk price.

Full-O-Pep Oatmeal

Full-O-Pep Oatmeal is a specially prepared Oatmeal for Poultry, finely granulated, easily digested. There is no waste in feeding.

Feeding oatmeal to chicks and in fact to older fowls is one of the poultry raising secrets of successful poultrymen. It makes muscle, bone and nerves very rapidly; promotes big development, rapid growth and early maturity. It develops better layers and stronger cockrels. Price, 2 lbs., 25c; 5 lbs., 50c; by parcel post, 2 lbs., 35c; 5 lbs., 65c.



F. P. C. Chick Manna

F. P. C. Chick Manna, or Health Food for Little Chicks, promotes and preserves health. Chicks when first hatched need no food for at least from 12 to 24 hours. Chick Manna should be the first food and exclusively fed for 10 days. 1 lb., 20c; 2 lbs., 35c; 3 lbs., 45c; 5 lbs., 70c; 15 lbs., \$2.00; 60 lbs., \$7.00. By parcel post, 1 lb., 27c; 2 lbs., 45c; 3 lbs., 60c; 5 lbs., 85c; 15 lbs., \$2.35. Prices on all poultry feeds are of course subject to market fluctuations; therefore we only attempt here to quote small quantities.

Globe Brand Pigeon Food

Right feeding of pigeons is considered something of a problem. Most raisers do not understand either the pigeon or its feeding as well as they do poultry. The true fancier—the man who raises birds for their beauty, for the show, for the pleasure there is in it, or for sporting—finds in Globe Pigeon Feed a combination suited to his needs.

The seeds are especially chosen for pigeon feeding. Only those that have proven to be best adapted for this particular purpose are used. These include various grains, cracked and whole, peas and seeds, all clean, well matured, and always of a size so that the birds, young or old, are able to use every particle of it. By freight, 4 lbs., 25c; by parcel post, 40c.

Globe Developing Food Or Coarse Chick Feed

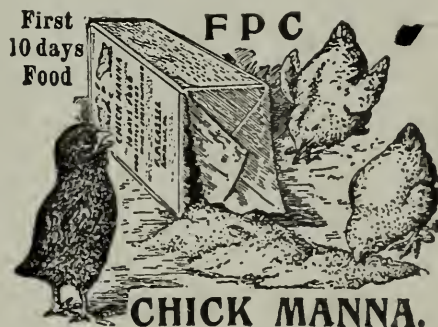
A mixture of grain a trifle larger than the Chick Food, to be fed to growing chicks after 8 weeks old. Contains such ingredients as are easily digested and flesh producing. A fine mixture in every particular. By freight, 5 lbs., 25c; by parcel post, 40c.

Meat Beef or Scraps

A standard meat food for poultry of all ages. For success and profit it is absolutely necessary to supply them with plenty of animal food in winter to take the place of bugs and other insects which they get during the summer months. Feed from a dry food hopper. Let the fowls help themselves, they will not eat too much. By freight, 3 lbs., 25c; by parcel post, 35c.

Rolled Oats

A valuable food for both adult fowl and growing chicks. By freight, 3 lbs., 30c; by parcel post, 40c.



CHICK MANNA.

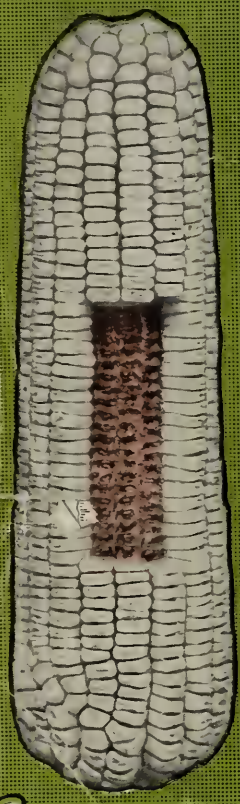




"RUSSELL-HECKLE'S
82 WEBER COTTON"



"RUSSELL-HECKLE'S
GOURD SEED WHITE RED COB CORN"



RUSSELL-HECKLE SEED Co.

MEMPHIS, TENN.

SALES OFFICES * * * 24 S. FRONT ST.
WHOLESALE WAREHOUSE * 417 S. MAIN ST.